Panafax
UF-160
USER'S GUIDE



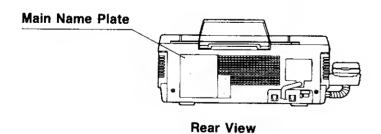
Panasonic

- IMPORTANT INFORMATION -

When requesting information, supplies, or service always refer to the model and serial number of your machine. The model and serial number's plate is located on the rear of the machine.

For your convenience, space is provided below to record the information you may need in the future.

MODEL NO. UF-160	SERIAL NO.
Date of Purchase	
Dealer	
Address	
Telephone Number	
<u>(</u>) —	
Supplies Telephone Number () —	
Service Telephone Number	



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Printed in Singapore.

The contents of this manual are subject to change without notice.

INTRODUCTION

The UF-160 is one of the most advanced models in the Panafax family of G3/G2 compatible, desktop facsimile machines. It features a full range of speed dialing techniques designed to make sending faxes easier, faster and more economical.

Anyone can learn how to use the most frequently used features with a few minutes of simple practice. However, because the UF-160 has the capacity to perform so many different functions, not everyone will need to learn every feature.

This User's Guide will help you to use your UF-160 quickly and easily. The Table of Contents shows where to find information on every feature. Although we recommend that you at least review each section briefly, you may need to read only the sections that concern the feature(s) you are interested in.

WARNING TO USERS -

THIS EQUIPMENT IS NOT INTENDED FOR USE IN PARALLEL WITH OTHER DEVICES.

USERS ARE ADVISED TO IMMEDIATELY DISCONNECT THE EQUIPMENT SHOULD IT EVER SUFFER PHYSICAL DAMAGE WHICH RESULTS IN THE INTERNAL PARTS BECOMING ACCESSIBLE IN NORMAL USE. IN THIS INSTANCE USERS SHOULD HAVE THE EQUIPMENT REPAIRED OR DISPOSED OF.

DISCONNECT THE TELECOM CONNECTION BEFORE DISCONNECTING THE POWER CONNECTION PRIOR TO RELOCATING THE EQUIPMENT, AND RECONNECT THE POWER FIRST.

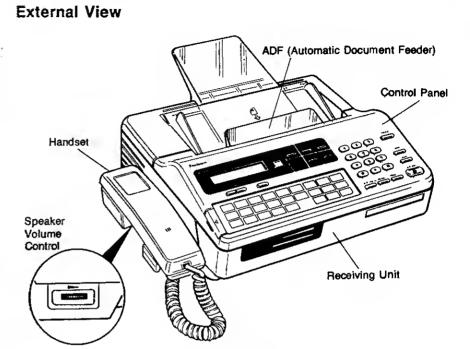
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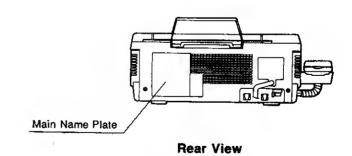
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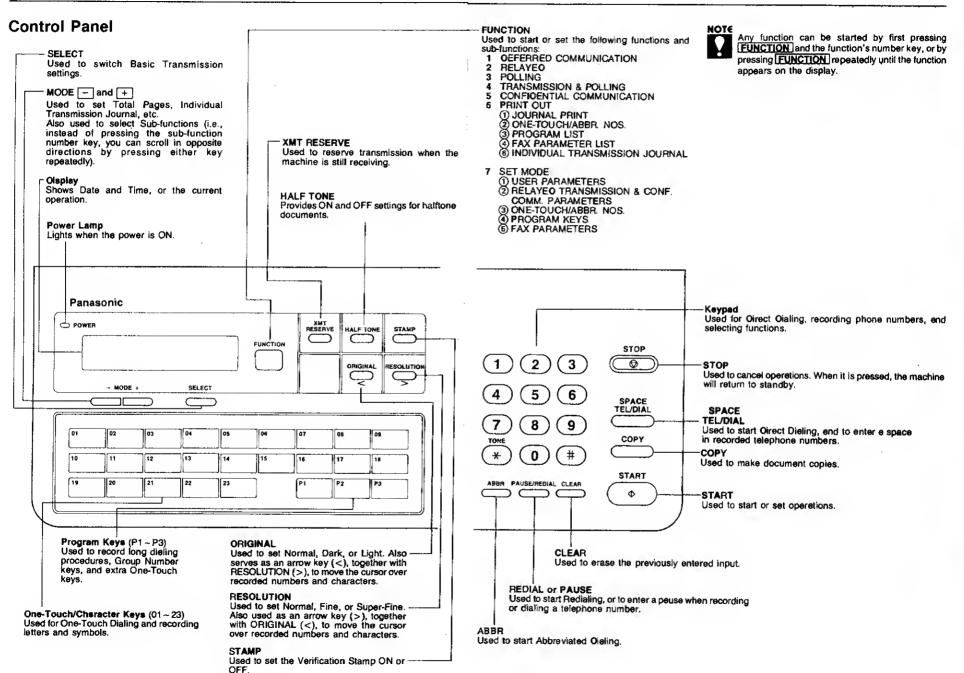
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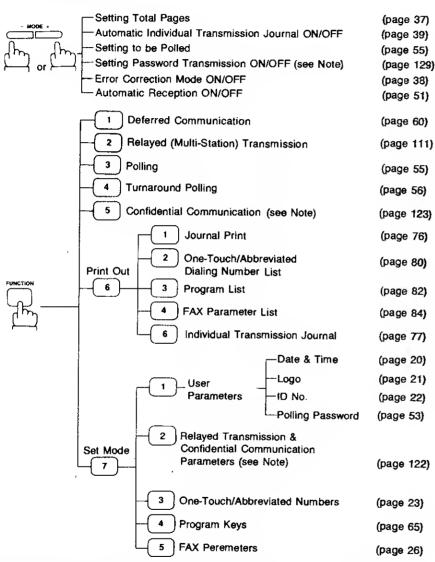
Front View





2 INSTALLING YOUR MACHINE

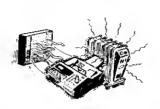
Function Key



8

If the Fax Parameter is not preset to Valid Position, which enables you to use the function, the display will not show the function.

Caution



1. Do not install the machine near heating or air conditioning units.

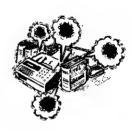


2

2. Avoid exposure to direct sunlight.



3. Install the machine on a flat surface, and leave at least 10 cm of space between the machine and other objects.



4. Do not block the ventilation openings.

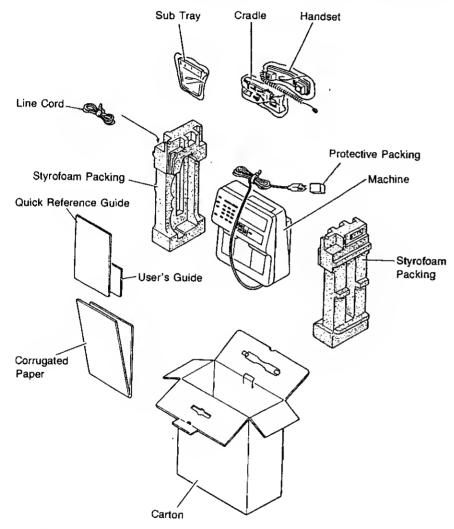


5. Do not place heavy objects, or spill liquids on the machine.



Unpacking

Unpack the cardboard box referring to the illustration shown below. Inspect the machine for any shipping damage and check that you have all accessories illustrated.

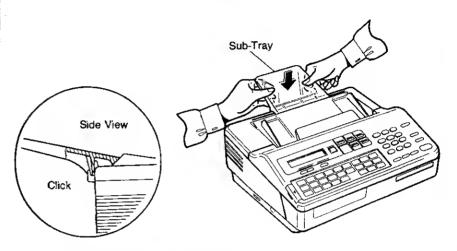




When you purchase the machine, the line cord is attached to the machine.

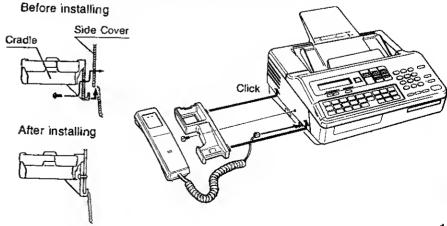
Installing Sub-Tray

The ADF tray is provided as a part of the upper cover of the machine. Install the sub-tray by inserting its brackets into holes on rear side of the upper cover and sliding it downwards until it locks into position. See the figure shown below.



Installing Handset and Cradle

- 1. Plug the telephone handset into the jack on the left side of the machine.
- 2. Insert the telephone cradle hooks into the two slots on the left side of the machine and press down gently until it locks into place. Then insert the screw into the center of the cradle and tighten with a phillips screwdriver.

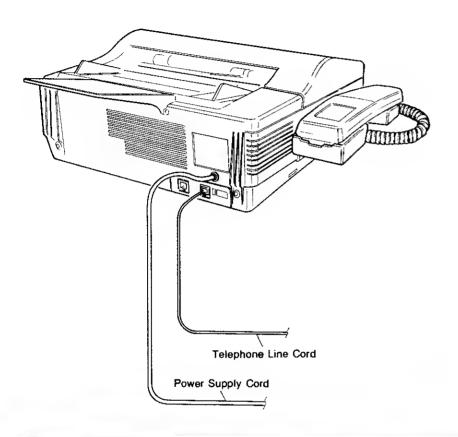


2

Marannon I

Connecting the Power Supply Cord

1. Plug the power supply cord into an ordinary AC outlet.



WARNING

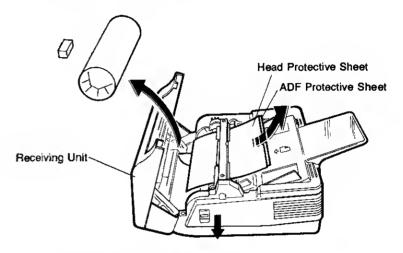
When you operate this equipment, the socket-outside should be near the equipment and be easily accessible.



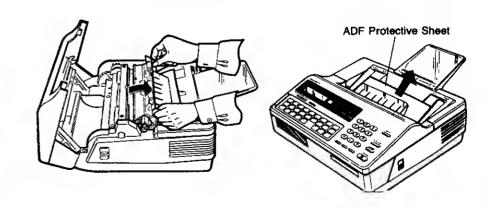
The built-in rechargeable battery requires 48 hours to be fully charged.

Installing/Replacing Recording Paper

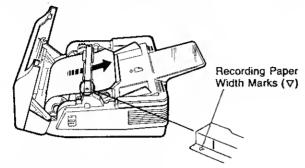
- 1. Press the latch button down on the right side of the cover and open the Receiving Unit.
- (1) Remove the Head Protective Sheet.



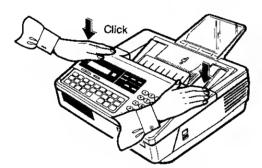
(2) Unlock the ADF unit by gently pulling up both sides of the ADF. Remove the ADF Protective Sheet and then lock the ADF unit.



2. Set the recording paper into the unit and feed the leading edge of the paper between the guide plates of the cutter unit until it projects out of the unit. Make sure that the recording paper is set correctly as shown in the figure below. If it is set incorrectly, the machine will not reproduce images.



3. Close the Receiving Unit carefully by pressing both corners down until the cover locks into position (you will hear a "click" sound).



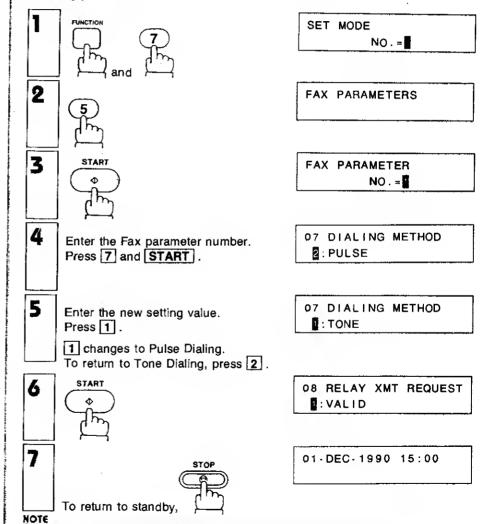
4. The recording paper projecting from the unit will be cut automatically. Remove this cut paper.



The top guide plete hes merks indiceting the width of the recording peper. When setting the recording paper, be sure to align the peper with the merks. (V)

Setting the Dialing Method (Tone or Pulse)

Your facsimile machine can operate with either one of two dialing methods (Tone or Pulse), depending on the type of telephone line you are connected to. Your facsimile machine is preset at the factory for Pulse (Rotary) Dialing. If your telephone line requires Tone Dialing, set your machine to Tone Dialing using the following procedure.



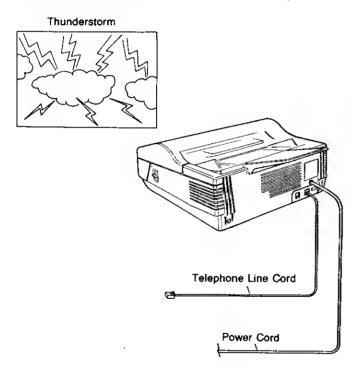
If you make a mistake entering the Fax parameter number, press CLEAR, then

reenter the correct number.

Lightning Precautions

To minimize the possibility of damage due to lightning, a surge protector is built into your machine. Sometimes though this is not enough to protect the machine completely when a strong lightning surge comes through the telephone line or AC power line. To further protect the equipment when you know that a thunderstorm is coming, we recommend that you:

- . Unplug the power cord from the AC outlet.
- Unplug the telephone line cord from the telephone jack.





The built-in battery can back up the memory up to 7 days when fully charged. As soon as the thunderstorm is over, plug in the AC cord and telephone line cord.

Final Installation Test

After installing your machine, it is advisable to make a copy or send a fax by direct dialing to check if the machine is working properly.



Place a document face down on the ADF. Adjust left and right Document Guides.

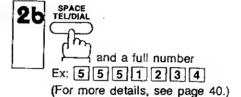
DOCUMENT SET

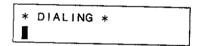




(For more details, see page 50.)

* COPY *



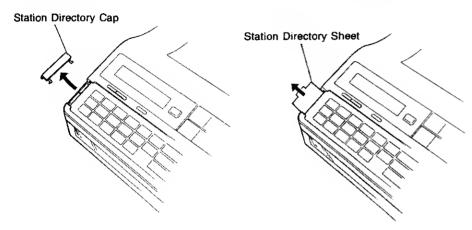


* DIALING * 5551234

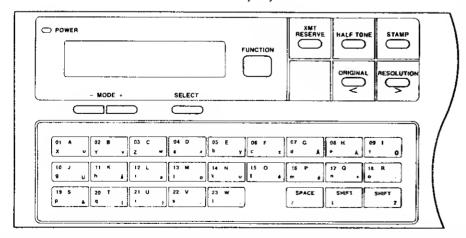
3 SETTING UP YOUR MACHINE

CHARACTER KEY LAYOUT UNDER THE ONE-**TOUCH KEYS**

The One-Touch keys on the control panel also serve as character and symbol input keys when you need to record your LOGO and other station names. This layout is printed on the panel under the Station Directory Sheet, which can be pulled out as shown below.



Character Key Layout

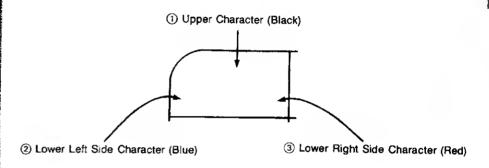




Whenever One-Touch keys are changed to the character key mode (to record your LOGO and other station names), capital letters are selected first. Use the SHIFT1 / SHIFT2 key to alternate to and from capital letters and small letters.

How to Select Characters

Whenever one-touch keys are changed to the character key mode (to record your LOGO and other station names), upper characters are selected first. Use the SHIFT 1 key or SHIFT 2 key to select Lower right side characters or Lower left side characters.



Command	LCD
① → SHIFT 1 → ② ② → SHIFT 1 → ① ① → SHIFT 2 → ③ ③ → SHIFT 2 → ① ② → SHIFT 2 → ③ ③ → SHIFT 1 → ②	S1 S2 S2 S1 S1

USER PARAMETERS

How to Set the Date and Time

You can set or reset the date and time when your machine is in standby, or when you have already placed some documents on the ADF. To do so.





SET MODE

NO.=



USER PARAMETERS



DATE & TIME

01-01-1900 12:00

The display will show the date and time. Use the keypad to enter the new month (two digits), day (two digits), year, and time (24-hour clock).

Ex: 01. DEC, 1990 15:00

0 1 1 2 1 9 9 0 1500

If you make a mistake, use the ORIGINAL and RESOLUTION keys to move the cursor to the incorrect number, and then enter the DATE & TIME 12-01-1990 15:00

new number over it.



To set the date and time,

Now you can go on and set the LOGO, or return to standby with STOP .

LOGO

01-DEC-1990 15:00

How to Set Your LOGO

The LOGO helps identify you to someone who receives your document. To set your LOGO (25 characters max.), use the One-Touch/Character keys (see page 18).

If you have just set the date and time and pressed START, skip to Step 4 below. If not, start from step 1,





SET MODE

NO . =

3

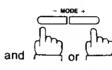
102/02/01/01/19/01/2

2



USER PARAMETERS





LOGO

repeatedly.

Enter each letter, number and/or symbol in your LOGO using the One-Touch/ Character Keys.

LOGO Panafax HQ

Ex: for Panafax HQ

To set the LOGO.

P	SHIFT1	anaf	a	SHIFT
\square	SHIFT2	a n a f	Q	

If you enter more than 20 characters, the display will not show the first 20 characters.

5



ID NO.

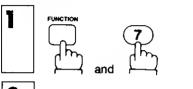
Now you can go on and set the ID, or return to standby with STOP .

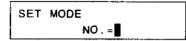
01-DEC-1990 15:00

How to Set Your ID Number

When you transmit, your ID will appear on the other person's display. When you receive documents, the sender's ID will appear on your display. We suggest you use your facsimile telephone number as your ID, but you may use any number up to 20 digits long.

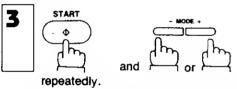
If you have just set your LOGO and pressed START, skip to step 4. If not, start from Step 1.

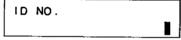


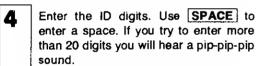






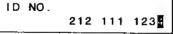


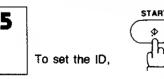


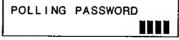












Now you can go on and set the POLLING PASSWORD (see page 53), or return to standby with STOP .

01-DEC-1990 15:00



To erase the number you just entered, press CLEAR

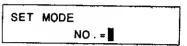
ONE-TOUCH/ABBREVIATED NUMBERS

Entering One-Touch/Abbreviated Dialing Numbers

One-Touch Dialing and Abbreviated Dialing are two fast ways of dialing full numbers. To use these dialing methods, you must first enter the full numbers using the following procedure.

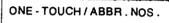
















ONE - TOUCH / ABBR .



To assign a One-Touch number, press оле One-Touch key.

Ex: 07

[07] TELEPHONE NO.



To assign an Abbreviated number, press ABBR and two keys on the keypad to enter any code from 01 to 70.

[62] TELEPHONE NO.

Ex: ABBR 6 2



Enter facsimile telephone number (up to 36 digits) including pauses and spaces.

[07] TELEPHONE NO. 9-555 1234

Ex: 9 PAUSE 5 5 5 SPACE 1 2 3 4



- 1. If you need a special access number to get en outside line, enter it first end then press PAUSE . A hyphen "-" is displeyed for pause.
- 2. Use SPACE to enter a spece between the numbers to make it easier to read.
- 3. When you input a wrong number in step 5, press CLEAR to erase the number before the cursor, then reenter the right number end press START .



[07] STATION NAME

To set the number.

Enter receiving station's name (up to 15 characters) using One-Touch/Character keys (see page 18).

[07] STATION NAME Panasonic:

Ex: Panasonic → P SHIFT1 a n a s o n i c

8



[07] ALT. ABBR. NO.

To set the name,

If the receiving party has another facsimile machine at the same location, vou can enter it here as an alternative ABBR. NO. by pressing the One-Touch or ABBR, key.

[07] ALT. ABBR. NO. [03] (Station name)

Ex: 03

To set the alternative ABBR, NO.

ONE TOUCH/ABBR.

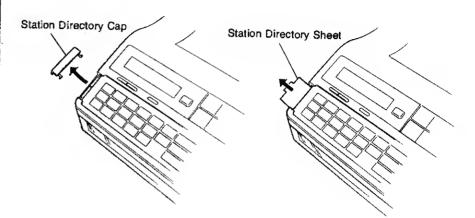
Repeat Steps 4 to 10 to record more numbers, or, to return to standby press STOP

01-DEC-1990 15:00

- 1. If you want to go back and change anything, e.g., the telephone number, press START repeatedly to skip through the preceding steps. You do not need to reenter everything again.
- 2. If your machine is set for Relayed Transmission and/or Confidential Faxes, the display will show NETWORK ADDRESS when you press START in Step 10.
- 3. To print out a One-Touch/ABBR. Dialing Number List, see page 80.

Filling Out the Station Directory Sheet

Slide the Station Directory Cap to the left and pull it off. Then pull out the Station Directory Sheet. Use a pencil or a ball-point pen to fill in the station directory with station names corresponding to the One-Touch number keys.



Station Directory Sheet

	01	02	03	04	05	06	07	08	09
4	10	11	12	13	14	15	16	17	18
	19	20	21	22	23		P1	P2	P3



If you use a pen, be sure the ink is dry. If you use a pencil, remove any excess leed If you use a pen, be sure the ink is an before replacing the station directory.

3

JOHO POR ODJAVE OD OD

FAX PARAMETERS

Your facsimile machine has a variety of adjustable FAX parameters. These parameters, listed in the Parameter Table, are normally preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution, Contrast, and Verification Stamp parameters, can be temporarily changed by simple key operations just before a transmission is made. When the transmission ends, however, these parameters return to their preset values. Other parameters can only be changed by the procedure described below.

Setting FAX Parameters



SET MODE

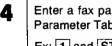
NO. =



FAX PARAMETERS



FAX PARAMETER NO. =



Enter a fax parameter number from the Parameter Table (see pages 28 and 29). 01 RESOLUTION :STANDARD

Ex: 1 and START for RESOLUTION.

Enter the new setting value.

01 RESOLUTION 2:FINE

Ex: 2 for FINE.

6



02 ORIGINAL

1: NORMAL

You can now return to Step 4 to set the next parameter, or, return to standby by pressing STOP .

01-DEC-1990 15:00

3



- 1. To cancet any digit entered, press CLEAR in step 5, and then start again from
- 2. To print out a Fax Parameter List, see page 84.

Parameter Table

Parameter number	Daramatar C.M.		Standard Setting	
		1	Standard	0
01	Resolution	2	Fine	
		3	Super Fine	
		1	Normal	0
02	Contrast (ORIGINAL)	2	Dark	
	(Orliality)	3	Light	
03	Verification	1	Off	
	Stamp	2	On	0
04	Polled	1	Off	0
	7 01100	2	On	
05	Automatic	1	Off	
	Journal Print	2	Automatic Print (On)	0
	Printout Heading	1	Inside copy area	0
06		2	Outside copy area	
	riouding	3	Not printed	
07	Dialing Method	1	Tone	
		2	Pulse	0
80	Relayed XMT	1	Invalid	0
		2	Valid	
09	Confidential Fax	1	Invalid	. 0
	Confidential Fax	2	Valid	
		1	Invalid	0
11	Password XMT	2	Off	
*****		3	On	
	Password RCV	11	Invalid	0
12		2	Off	
		3	On	
15	ECM (Error Correction-	1	Off	
	Mode)	2	On	0

Parameter Table

Parameter number	Parameter	Setting Number	Setting	Standard Setting
19	Automatic Individual XMT Journal	1	Off	0
		2	On	
20	Fax Access Code	1	Invalid	0
20		2	Valid	
32	initial Operator Call	1	Off	
02		2	On	0
	FUNCTION	Val Inva	Off	



To use a function which has Valid/Invalid parameter, set the parameter in the Valid position. You may then reset the function's standard setting to on or off.

JUSING MUTE AND ADJUSTING VOLUMES

Using Mute

When you are using the fax machine's built-in telephone, you can temporarily turn off the microphone in the handset. Press on the handset. As long as you hold down this button, your caller cannot hear you.



Setting the Ringer Volume

You can adjust the RINGER VOLUME so the fax machine rings at a comfortable level when it receives a call. Move the ringer control on the handset to the level desired, either normal or reduced



Setting the Speaker Volume

When the fax machine is making a call, you hear the dial tone, the dialing signals, and the ringing or busy signal through the built-in speaker. Rotate the SPEAKER VOLUME control on the right side of the unit to adjust the volume to a comfortable level. You also hear the called person's voice through the speaker if the other station is set to manual reception. In this case you can talk with the called person by lifting the handset and pressing STOP (see page 59).



Speaker Volume



Your handset may have a different type of Mute Button and Ringer Volume from the ones shown above.

Mute, Button MUTE

Ringer Volume

SENDING DOCUMENTS

LOADING DOCUMENTS

Documents You Can Send

In general, your machine will send any document printed on A4-size or paper up to B4 size.

Documents You Cannot Send

You must never try to send documents that are;

- Wet
- · Covered with wet ink or paste
- Wrinkled, curled or folded
- Too thin (e.g. onionskin, airmail paper, pages from some magazines, etc.)
- Too thick (e.g. card, etc.)
- · Chemically processed (e.g. pressure-sensitive paper, carbon-coated paper, etc.)
- · Coated (e.g. glossy paper, etc.)
- Smaller than 148 mm (W) × 73 mm (L)
- . Made of cloth or metal

To transmit these kinds of documents, make a photocopy first, and then transmit the copy instead.

How to Use the Carrier Sheet

If you send documents wrinkled, curled, folded, too thin, or smaller than 148 mm (W) × 73 mm (L), you can send them using the Carrier Sheet. Put them in the Carrier Sheet, and then place the carrier in the ADF with the sealed edge first.



Sealed edge



1. Document thickness

Single sheet: 0.06 to 0.15 mm Multi-sheet: 0.08 to 0.13 mm

- 2. Transmitting documents longer than 297 mm up to 1000 mm requires operator's assistance.
- 3. You cannot load the carrier sheet and other documents together on the ADF.

Loading Documents

First, make sure that your document is free of staples, paper clips, and is not torn, greased or covered by any foreign objects.

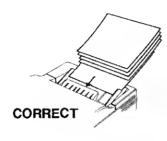
Place the document face down on the Automatic Document Feeder (ADF) with the top edge going into the machine and slide forward until it stops. Adjust the sliding document guides to ensure that the document is centered on the ADF.

If you are sending two or more pages, make sure that the bottom sheet enters first. You can also stack up to 10 sheets on ADF at one time. If you want to send more pages, you can place them on top of the last page on the ADF once transmission has started, as long as you do not have more than 10 sheets on the ADF at any one time.

When you set a document on the ADF the display message will change from date and time (standby) to DOCUMENT SET. You can now make basic transmission settings, or begin the dialing procedure.

DOCUMENT SET







BASIC TRANSMISSION SETTINGS

You can temporarily change seven basic settings (Resolution, Contrast, Halftone, Total Pages, Verification Stamp, Individual Transmission Journal and Error Correction Mode) before any ordinary transmission. These settings can be changed before or after you place documents on the ADF. After you finish transmission, your machine will automatically return to the preset settings. You can also change these settings during transmission.

Resolution

Your machine is preset to Standard resolution, which is suitable for ordinary documents. Use FINE or Super-FINE for very detailed documents.





DOCUMENT SET RESOLUTION=STD





If satisfied, go to Step 4.

DOCUMENT SET RESOLUTION = FINE



RESOLUTION

DOCUMENT SET RESOLUTION = S FINE (S FINE = Super-FINE)

To return to Standard, press RESOLUTION again.



You can now dial by pressing TEL/DIAL and a full number. a One-Touch key, ABBR and two digits, or REDIAL .



- 1. After changing the Resolution setting, you can a) go to standby with STOP .
- b) make a copy of the document to test the new Contrest setting by pressing COPY.
- c) start a different series of settings by pressing RESOLUTION , HALF TONE STAMP , MODE - + , or FUNCTION
- 2. To change the preset Resolution position, see page 26 29.



Contrast (Original)

Your machine is preset to NORMAL contrast. If you have to send a document with dark contrast, you may get better results by changing the setting to DARK. If you have to send a document with light contrast, it may be wise to change the setting to LIGHT. As a test, you can make a trial copy before transmitting (see page 50).



DOCUMENT SET
ORIGINAL=NORMAL



DOCUMENT SET ORIGINAL=DARK

If satisfied, go to step 4.



DOCUMENT SET ORIGINAL=LIGHT

To return to NORMAL, press **ORIGINAL** again.



You can now diał by pressing

TEL/DIAL and a full number,
a One-Touch key, ABBR and two
digits, or REDIAL.



1. After changing the Original setting, you can

a) go to standby with STOP

b) make a copy of the document to test the new Contrast setting by pressing COPY.

c) start a different series of settings by pressing [RESOLUTION], [HALF TONE], [STAMP], MODE [-] [+], or [FUNCTION].

2. To change the preset Original position, see page 26 - 29.

Halftone

The Halftone setting is useful when sending photographs or illustrations with gray tones. Your machine is preset to HALF TONE = OFF. To switch to HALF TONE = ON.



HALF TONE

DOCUMENT SET HALF TONE=OFF

Your display should show HALF TONE = OFF.





DOCUMENT SET HALF TONE=ON

In this case Resolution is automatically set at FINE. If you wish to go to HALF TONE OFF, press HALF TONE again.



You can now dial by pressing **TEL/DIAL** and a full number, a One-Touch key, **ABBR** and two digits, or **REDIAL**.

NOTE

After changing the Halftone setting, you can

a) return to standby with STOP.

b) make a copy of the document to test the new Halftone setting by pressing COPY.
c) start a different series of settings by pressing ORIGINAL, STAMP, MODE

+ , or FUNCTION .

Verification Stamp

The verification stamp helps you to confirm successful transmissions by stamping the bottom of each successfully transmitted page with a small pink (X) mark. Your machine is preset to STAMP = ON. To set the Verification Stamp to OFF.



DOCUMENT SET STAMP=ON



DOCUMENT SET STAMP=OFF

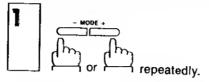
To return to STAMP = ON, press STAMP again.

You can now dial by pressing TEL/DIAL and a full number, a One-Touch key, ABBR and two digits, or REDIAL .

- 1. After changing the Stamp setting, you can
- a) return to standby with STOP
- b) start a different series of settings by pressing RESOLUTION], ORIGINAL], HALF TONE, MODE - + , or FUNCTION .
- 2. To change the preset Stamp position, see page 26 29.

Total Pages

The page number will be printed at the top of each page you send. You can also set, however, the total number of pages you send so that it will be printed on each page in addition to the page number. (e.g., 01/05, 02/05, etc.)



OOCUMENT SET TOTAL PAGES=

Enter any number 1-99. If you make an error, press CLEAR and reenter the correct number Ex: 5

OOCUMENT SET TOTAL PAGES=5

You can now dial by pressing TEL/DIAL and a full number, a One-Touch key, ABBR and two digits, or REDIAL

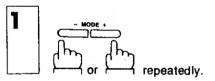
After changing the Total Pages setting, you can

- After changing the Total Pages set a) return to standby with STOP.
 - b) start a different series of settings by pressing [RESOLUTION], [ORIGINAL], STAMP, HALF TONE, MODE - +, or FUNCTION

Error Correction Mode (ECM)

ECM mode provides error free copy when your fax machine is connected with a receiving fax machine which has ECM mode capability and your ECM mode is set to ON. The transmission time required in the ECM mode is the same as the normal G3 mode in most cases.

Your machine is preset to ECM = ON. If the telephone line is poor, then the transmission will take longer because the machine will have to retransmit the tines that have errors. In the case where the transmission time is more important than the quality of the received copy, you may set your fax machine to ECM = OFF. This will inhibit the ECM mode for the transmission regardless of the capability of the receiving machine. To set ECM = OFF,



DOCUMENT SET ECM = ON



DOCUMENT SET ECM=OFF

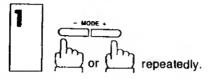
To return to ECM = ON, press SELECT again.

You can now dial by pressing TEL/DIAL and a full number, a One-Touch key, ABBR and two digits, or REDIAL .

- 1. After changing the ECM setting, you can a) return to standby with STOP. b) start a different series of settings by pressing RESOLUTION . ORIGINAL STAMP, HALF TONE, MODE - +, or FUNCTION).
- 2. To change the preset ECM position, see page 26 · 29.

Automatic Individual Transmission Journal (XMT JRNL)

You may want to keep a separate record of each transmission you make to some or all your clients. Your machine can save you the trouble of writing records by printing out a Transmission Journal for you at the end of any particular transmission. To set XMT JRNL = ON.



DOCUMENT SET XMT JRNL=OFF





DOCUMENT SET XMT JRNL=ON

To return to XMT JRNL=OFF, press SELECT again.



You can now dial by pressing TEL/DIAL and a full number, a One-Touch key. ABBR and two digits, or REDIAL .



- 1. After changing the XMT JRNL setting, you can a) return to standby with STOP .
- b) start a ditterent series of settings by pressing RESOLUTION , ORIGINAL , HALF TONE , STAMP MODE - + , or FUNCTION .
- 2. To change the preset XMT JRNL position, see page 26 29.

DIALING TECHNIQUES

This section explains how to perform the following:

- Direct Dialing
- One-Touch Dialing
- Abbreviated Dialing
- Redialing

Direct Dialing (On-Hook Dialing)

Place a document face down on the ADF.
Adjust left and right Document Guides.

DOCUMENT SET



2



* DIALING *

3

Use the keypad to "dial" a number.

Ex: 555-1234 (See Note) * DIALING * 5551234

Your machine will dial the number. If the line is free, your documents will be sent.

ON LINE * XMT * 5551234

If the other station has an ID, it will appear on the display.

ON LINE * XMT * ID:516 555 1234



If you need a special access number to get en outside line, dial it first and then press PAUSE to enter a pause (represented by a "—") before dialing the full number.

Example: 9 PAUSE 5 5 5 1 2 3 4

When transmission ends, the display shows the number of pages sent.

If the line is busy, your machine will redial the number for you up to twice with three minute intervals.

If no contact is made, the display will show an information code.

COMPLETED TOTAL PAGES=05

or

WAITING TO DIAL 5551234

INCOMPLETE
INFO CODE=630

4

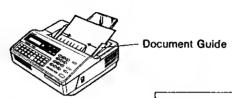


If the line is still busy after the fifth automatic try, you can start enother round of automatic dieling by pressing REDIAL (see page 47).

If you hear a voice speeking through the speaker, pick up the handset end press STOP to a talk to the other party.

Off-Hook Dialing

Place a document face down on the ADF. Adjust left and right Document Guides. **DDCUMENT SET**



2

Lift the handset



DOCUMENT SET

Use the keypad to dial a number. Ex: [5] [5] [1] [2] [3] [4]

DOCUMENT SET 5551234

When you hear a beep sound,

ON LINE * XMT * 5551234



Hang up the handset.

If the other station has an ID, it will appear on the display.

When transmission ends, the display shows the number of pages sent.

If the line is busy, hang up the handset. Then try again several minutes later by pressing REDIAL

ON LINE * XMT * ID:516 555 1234

COMPLETED TOTAL PAGES=D5

* DIALING *

5551234

If you need a special access number to get en outside line, dial it first and then press PAUSE to enter e pause (represented by a hyphen "-") before dialing the

Example: 9 PAUSE 5 5 5 1 2 3 4

One-Touch Dialing

Place a document face down on the ADF. Adjust left and right Document Guides.

DOCUMENT SET



Document Gulde

Press a One-Touch key.

Ex: 07

* DIALING * [07] (Station name)

The display will show the ABBR. No. and station name. The full number (e.g. 9-555 1234) will then be dialed and shown on the display.

* DIALING * 9-555 1234

If the number dialed answers, document transmission will start. If the other station has an ID, it will appear on the display.

ON LINE * XMT * ID:

When transmission ends, the display will show the number of pages sent.

COMPLETED TOTAL PAGES=05

When alternative ABBR, NO. Is set. If the number is busy, the machine will automatically dial the alternative ABBR. NO. which you have already recorded,

* DIALING * [11] (Stetion neme)

Ex: 11 (See page 24.)

If the alternative number is also busy, the machine will wait three minutes and then automatically redial the 1st number and alternative number each up to twice in the same way.

WAITING TO DIAL [07] (Station neme) When alternative ABBR. NO. Is not set. If the number is busy, the machine will wait three minutes and then automatically redial the same number up to twice.

If no contact is made, the display will show an information code (e.g., CODE = 630 indicates the line was busy).

WAITING TO DIAL [07] (Station name)

INCOMPLETE
INFO. CODE=630

Abbreviated Dialing



Place a document face down on the ADF. Adjust left and right Document Guides.

DOCUMENT SET

* DIALING *

[30] (Station name)



Document Guide

4

2



and two kevs.

Ex: 3 0

The display will show the two-digit code and station name. The full number (e.g. 555 1234) will then be dialed and shown on the display.

If the number dialed answers, document transmission will start. If the other station has an ID, it will appear on the display. When transmission ends, the display will show the number of pages sent.

* OIALING * 555 1234

ON LINE * XMT *

COMPLETEO
TOTAL PAGES=05

When alternative ABBR. NO. is set. If the number is busy, the machine will automatically dial the alternative ABBR. NO. which you have already recorded.

Ex: 31 (See page 24.)

* OIALING *
[31] (Station name)

If the alternative number is also busy, the machine will wait three minutes and then automatically redial the 1st number and alternative number up to twice in the same way.

WAITING TO DIAL
[30] (Station name)



- 1. To redial a busy number, see page 47.
- 2. The machine does not dial the alternative ABBR. No. when the document is sent by Relayed Transmission.
- 3. If you hear a voice speaking through the speaker, pick up the handset to talk to the other party.

When alternative ABBR. NO. is not set. If the number is busy, the machine will wait three minutes and then automatically redial the same number up to twice.

WAITING TO DIAL [30] (Station name)

If no contact is made, the display will show an information code (e.g., CODE = 630 indicates the line was busy).

INCOMPLETE INFO. CODE=630 Redialing

If the number you dialed is busy or there is no answer, your machine will wait three minutes and then automatically redial the number for you up to twice.

* DIALING * [07] (Station neme)

If no contact is made, the display will show an information code.

In this case, you can redial the last number (e.g.

INCOMPLETE INFO. COOE=630

WAITING TO DIAL

[07] (Station neme)

You can use Redial after dialing a number using one of the following.

· One-Touch dialing

07) by simply pressing REDIAL

- Abbreviated dialing
- . Direct dialing from the keypad
- Redialing

Your machine will redial the last number a total of three times.

* DIALING * [07] (Station neme)

Even if you make contact and succeed in sending your documents, you can still use REDIAL to contact the same number again.

- 1. To redial a busy number, see page 47.
- 2. The machine does not diel the alternative ABBR. No when the document is sent by Relayed Transmission.
- 3. If you hear e voice speeking through the speaker, pick up the handset and then press STOP to talk to the other party.

TRANSMISSION RESERVATION

If you are in a hurry to send some documents, but your facsimile machine is busy receiving documents, you can save time by reserving the machine for transmission. "Reserving" means presetting a One-Touch, Abbreviated Dialing, or full telephone number. Then, when the machine has finished receiving, it will automatically begin to dial the number you set.

Setting Transmission Reservation

Place a document face down on the ADF.
Adjust left and right Document Guides.

ON LINE * RCV *

2



XMT RESERVE ENTER STATION

Adjust basic settings, e.g. Resolution (see pages 33 - 39).

XMT RESERVE RESOLUTION=FINE

Dial by pressing a One-Touch key,

ABBR and two digits, or TEL/DIAL

and a full number.

XMT RESERVE
[15] (Station name)

Ex: One-Touch key 15

5 START

ON LINE * RCV * XMT RESERVED

Canceling Transmission Reservation (XMT RESERVED)

If necessary, you can also cancel XMT RESERVE while your machine is still busy with receiving documents.

1

Remove the document from ADF.

ON LINE * RCV *
XMT RESERVEO

44 (111)(11)(21)((()

2



[15] (Station name)

The number you reserved will appear.

3



XMT RESERVE ENTER STATION

XMT RESERVE



ON LINE * RCV *

Now, when your machine finishes receiving documents, it will automatically return to standby.

5 MAKING COPIES

Before you send a document, you can make a copy of it to see what it will probably look like to the person who receives it.

1

Place a document face down on the ADF. Adjust left and right Document Guides.

DOCUMENT SET



2

If necessary, adjust RESOLUTION ORIGINAL , and HALF TONE (review pages 33 - 35).

3 copy

* COPY *

The machine begins making a copy.

NOTE

- 1. To stop the copy process, press STOP
- To make copies of more than 10 pages, edd additional pages while et least one page still remains on the ADF.
- 3. When meking e copy, your machine will eutomatically select Fine Resolution, unless you change the setting.

6 RECEIVING DOCUMENTS

AUTOMATIC RECEPTION

When your facsimile machine is preset to receive documents automatically, do not answer the telephone when it rings. The machine will soon begin receiving.

MANUAL RECEPTION

How to Set Manual Reception

If there is only one telephone line in your office and you wish to use the telephone line for both Fax and Voice, you may set the machine to Manual Reception.





01-DEC-1990 15:00 RCV=AUTO



2



01-DEC-1990 15:00 RCV=MANUAL

To return to RCV = AUTO, press SELECT again.





01-DEC-1990 15:00 MANUAL RCV

What to Do When Your Telephone Rings

If your machine is set for manual reception and the telephone rings,

1

Lift the handset.

If you hear a beep ... beep ... beep sound, it means someone wants to send a fax. Or, if the caller answers and says he/she wants to send a fax, then ...

2

Remove any documents from the ADF.

ON LINE * RCV *



Your machine sterts receiving.

3

Hang up the handset. If the other station has an ID, it will appear on the display. ON LINE * RCV * ID: 415 111 1234

7 POLLING

Polling means calling other station(s) to retrieve the document. The other station must know in advance that you will cell, and must have a document set on the ADF. You also need to set a polling password, shered by the other station, to ensure security.

How to Set the Polling Password

If you have just set your ID No. and pressed **START**, skip to step 3. If not start from step 1.



SET MODE



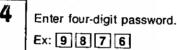
USER PARAMETERS

NO . =



and or

POLLING PASSWORD



POLLING PASSWORD



To set the polling password,

DATE & TIME 01-12-1990 15:00



To return to standby,

01-DEC-1990 15:00

NOTE

- Polling might not function with all fex machines. We suggest you ettempt e triel polling before you actuetly poll for importent documents.
- tf you make a mistake in Step 4, use the or key to move the cursor to the incorrect number, and then enter the new number over it. To erase the password, press CLEAR.
- If password is not set in the other station, you can poll the other station even though your machine has a password.

How to Prepare to be Polled

In order to let other stations poll your machine, you must set your machine with a document on the ADF. Be sure to set the polling password (see page 53) before setting the document on the ADF. After being polled, your machine will automatically return to the preset setting.

Place a document face down on the ADF.
Adjust left and right Document Guides.

DOCUMENT SET



or repeatedly.

DOCUMENT SET POLLED=OFF



DOCUMENT SET POLLED=ON

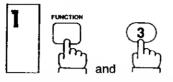
You are now set for POLLED = ON. If you press **SELECT** again, the setting will return to POLLED = OFF.

NOTE

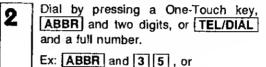
You can still receive ordinary transmissions even when set to be polled.

How to Poll

The following procedure lets you poll one station, or up to 73 stations (70 One-Touch or ABBR, stations, and 3 Direct Dialing stations). Multistation polling does not require a Relay Station. Be sure to set the polling password before polling (see page 53).



POLLING ENTER STATION(S)



To add more stations, use One-Touch

keys, or ABBR and two digits.

Ex: One-Touch key 15

POLLING [35] (Stalion name)

ABBR and 3 5 , or POLL 7772 3 4 5 7772

or
POLLING
7772345

POLLING [15] (Slalion name)



* DIALING *
[15] (Station name)



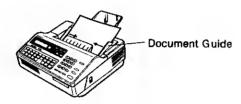
- 1. To erase or change stations set in Steps 2 or 3, press CLEAR. If you recorded several, use MODE or + to find the station you went. Then press CLEAR. Add new stations with One-Touch keys, or ABBR and two digits.
- If a polled station is busy, or does not answer, it will be skipped and the next station will be polled. The skipped station(s) will be redieled up to twice after all registered stations have been polled.
- When polling ends, e Multistation Communication Journal is automatically printed out.
 This journal lists the stations polled and indicates whether polling was successful or not.

Turnaround Polling (Combined Transmission and Polling)

This procedure lets you do two operations with one call, automatically. First, your machine will send a document to a station, and then it will poll the same station. Be sure to set the polling password before using the following procedure (see page 53).

Place a document face down on the ADF.
Adjust left and right Document Guides.

DOCUMENT SET



2 FUNCTION 4

XMT & POLLING ENTER STATION

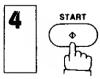
Dial by pressing a One-Touch key,

ABBR and two digits, or TEL/DIAL
and a full number.

XMT & POLLING
[10] (Station name)

Ex: One-Touch key 10, or TEL/DIAL 5 5 5 1 2 3 4

XMT & POLLING 5551234 ■



* DIALING *
[10] (Station name)
or

* DIALING * 5551234

8 USING YOUR UF-160 TELEPHONE

Making a Regular Call

You can use the handset on your UF-160 to make regular calls. To do so, lift the handset and dial a full number just as you would using an ordinary telephone. If you wish, you can also use One-Touch/ABBR. keys.



Ren

Remove any document from the ADF.

01-DEC-1990 15:00

2

Lift the handset.

* DIALING *

3

Dial by pressing a One-Touch key,

ABBR and two digits, or a full number.

Ex: 02

* DIALING * [02] (Station neme)

* DIALING *
555 1234

Making Voice Contact after Sending/Receiving

You may want to talk to the other person over the telephone after sending or receiving documents. To do so, perform Step 1 while the machine is still sending or receiving.

When sending

When receiving



ON LINE * XMT * TEL

ON LINE * RCV * TEL

When sending/receiving is over and the other party answers the Voice Contact request, you will hear a beep-beep-beep sound coming through the monitor speaker.

ON LINE * XMT * TEL
OPERATOR CALLING

ON LINE * RCV * TEL
OPERATOR CALLING





Lift the handset.











Answering a Voice Contact Request

When you hear e beep-beep sound coming through the monitor speaker, it means you are receiving a voice contact request. Reply by following the above procedure from step 2.

What to Do When the Other Party is Set for Manual Reception

8

1

If the other person's fax machine is set for manual reception, you will hear a voice through the speeker when you try to send documents.



2

Lift the handset.



3



4

Tell the other person to prepare for reception.

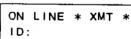


5



When you hear a beep,

The machine begins sending your documents.



6

Hang up the handset.

TIMER CONTROLLED COMMUNICATIONS

You can send a document to one or more stations at any fixed time within 24 hours. Built-in timers, one for Deferred Transmission and other for Deferred Polling, make this timer communication possible. Note that you cannot set more than one Deferred Transmission and one Deferred Polling (see page 60). However, you can set Deferred Transmission and Deferred Polling at the same time, as long as they start independently at different times.

Deferred Transmission

Place a document face down on the ADF.
Adjust left and right Document Guides.

DOCUMENT SET

2 FUNCTION



DEFERRED COMM. NO.= 1:XMT 2:POLLING

3



START TIME



Enter start time from keypad. (Use four-digit, 24-hour clock.)

Ex: 2 3 3 0 (11:30 p.m.)

START TIME 23:30 ENTER STATION(S)

Dial by pressing a One-Touch key, or ABBR and two digits.

START TIME 23:30 [02] (Station name)

Ex: One-Touch key 02

6



The standby display and Deferred XMT

display witl flash alternately until transmission actually takes place.

OEFERR

01-DEC-1990 15:00

OEFERREO XMT 23:30 [02] (Station name)

10011110111111111111

NOTE

- If you enter e wrong number in Step 4, press CLEAR, then reenter the right number.
- You cannot use Oirect dialing in Step 5. All celled stations for Timer Controlled Communications must be set in edvance in One-Touch/ABBR. keys.
- When Timer Controlled Communication is set, you can still send, poll, or copy documents. To send, poll, or copy, simply follow the normal procedure.
- 4. You cannot use SET MODE functions when Timer Controlled Communication is set.
- 5. To cancel or change the settings, see page 63.

Deferred Polling





OEFERRED COMM. NO. = ■ 1:XMT 2:POLLING

2



START TIME

I :

Select 2. POLLING

Enter start time from keypad. (Use four-digit, 24-hour clock) Ex: 0 2 3 0 (2:30 a.m.)

START TIME 02:30 ENTER STATION(S)

Dial by pressing a One-Touch key, or ABBR and two digits.

Ex: One-Touch key 10

START TIME 02:30 [10] (Station name)

To add more numbers (70 maximum), repeat Step 4.

Ex: ABBR and 1 5.

START TIME 02:30 [15] (Station name) ■



01-DEC-1990 15:00

DEFERRED POLL 02:30 [15] (Station name)

The standby display and Deferred Poll display will flash alternately until polling takes place.

How to Cancel or Change the Settings





OEFERREO COMM. NO. = 1:XMT 2:POLLING

9

Select 1 or 2 depending on which function you want to cancel or change.

DEFERREO XMT IS SET. CHANGE? 1:YES 2:NO

Or

DEFERRED POL 18 SET. CHANGE? 1:YES 2:NO

To cancel or change, select 1.

START TIME 23:30 [02] (Station name)



To cancel Deferred XMT or Polling,



START TIME . [02] (Station name)



To store the new setting,

01-DEC-1990 15:00

The machine returns to standby.



To change the starting time, set the document on the ADF again and enter the new starting time over the old one.

Ex: 2 1 0 0 (9:00 p.m.)

To store the new setting,



START TIME 21:00 [02] (Station name)

4c To delete or add stations, Reenter the starting time.

START TIME 23:30 [02] (Station name)

Ex: 2 3 3 0 (11:30 p.m.)

· To delete a station



START TIME 23:30 [05] (Station name)

≺repeatedly until the display shows the station you want to delete.

Ex: 05



START TIME 23:30 [04] (Station name)

To delete more stations, repeat the procedure above.

 To add a station, enter a station number by pressing a One-Touch key, or ABBR and two digits.

START TIME 23:30 [06] (Station name)

Ex: 06

To add more stations, repeat the procedure above.

01-DEC-1990 15:00

To store the new settings,



The standby display and Deferred XMT display will flash alternately until transmission actually takes place.

DEFERRED XMT 23:30 [02] (Station name)

PROGRAMMED COMMUNICATION

Setting Program Keys

Your UF-160 fax machine has three Special Program Keys. These keys are useful if you frequently need to send or poll the same group of numbers. You can use these keys to store a sequence of stations to be polled, a deferred transmission or polling sequence, or an additional One-Touch Key (One-Touch Group Key).

To set a number or a group of numbers in a Program key, follow the procedure below.

10



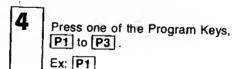
SET MODE NO . =

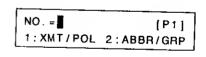


PROGRAM KEYS



PROGRAM KEY





Now you can choose one Program Key mode out of the following four modes.

- Deferred Transmission ; Go to step 5a. Polling : Go to step 5b. Deferred Polling
- : Go to step 5c. Group Dialing : Go to step 5d.



XMT/POL means Transmission or Polling. ABBR/GRP means Group dialing.

50 To set Deferred Transmission,

NO . = [P1] 1:XMT/POL 2:ABBR/GRP

for XMT/POL

NO . = [P1] 1:XMT 2:POLLING

1 :

START TIME

for XMT

Enter the starting time in lour digits.

Ex.: 2 3 3 0 (11:30 p.m.)

START TIME 23:30



Enter a station number by using a One-Touch key, or ABBR and two digits.

Ex: One-Touch key 02

If you find an error, press CLEAR to erase the displayed station.

To store the starting time and station number,



Go to step 6 (page 69).

START TIME 23:30 ENTER STATION(S)

START TIME 23:30 [02] (Station name)

PROGRAM NAME [P1]

To set Normal Polling,



for XMT/POL



for Polling



for Normal Polling

Enter a station number by using a One-Touch key, or ABBR and two digits.

Ex: One-Touch key 05

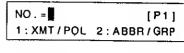
Add more station numbers, if necessary.

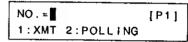
You may use the MODE - or + key to review the entered station(s) before going to the next step. If you find an error, press CLEAR to erase the displayed station.

To store station numbers,



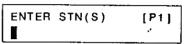
Go to Step 6 (page 69).





10

DEFERRED POLL [P1] 1:YES 2:NO NO.≃



ENTER STN(S) [P1] [05] (Station name)

PROGRAM NAME [P1]

To set Deferred Polling.



for XMT/POL



for Polling



for Deferred Polling

Enter the starting time in four digits.

Ex.: 2 2 0 0 (10:00 p.m.)

Enter a polled station number by using a One-Touch key, or ABBR and two digits.

Ex: ABBR and 1 2

Add more station numbers, if necessary.

You may use the MODE - or + key to review the entered station(s) before going to the next step. If you find an error, press CLEAR to erase the displayed station.

To store the starting time and station numbers.



Go to Step 6 (page 69).

NO . = IP11 1:XMT/POL 2:ABBR/GRP

NO . = [P1] 1:XMT 2:POLLING

DEFERRED POLL [P1] 1:YES 2:NO NO. =

START TIME

START TIME 22:00

START TIME 22:00 ENTER STATION(S)

START TIME 22:00 [12] (Station name)

PROGRAM NAME [P1]

5d To set a group dialing,



for ABBR/GRP.

Enter a station number by using a One-Touch key, or ABBR and two digits.

Ex: ABBR and 1 6

Add more station numbers, if necessary.

You may use the MODE - or + key to review the entered station(s) before going to the next step. If you find an error, press CLEAR to erase the displayed station.

To store station numbers.



Enter program name using One-Touch/Character keys (see page 18).

Ex: PROG. A



You can now set another Program Key repeating the procedures from Step 4, or return to standby by pressing STOP.

NO.≃ [P11 1:XMT/POL 2:ABBR/GRP

ENTER STN(S) [P1]

10

ENTER STN(S) [P1] [16] (Station name)

PROGRAM NAME [P1]

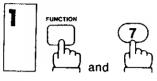
PROGRAM NAME [P1] PROG. A

PROGRAM KEY

To print out a Program List, see page 82.

How to Erase or Change Program Key Settings

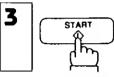
To erase the settings in a Program key, either completely or partially, and/or add new station numbers or a new program name, use the following procedure



SET MODE NO . =



PROGRAM KEYS

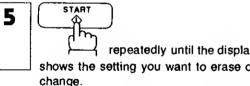


Ex: P1

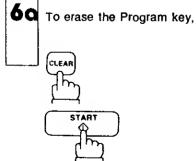
PROGRAM KEY



NO . = 1 [P1] 1:XMT/POL 2:ABBR/GRP



repeatedly until the display shows the setting you want to erase or change.



NO. = [P1] 1:XMT/POL 2:ABBR/GRP

NO. = 1.XMT/POL 2:ABBR/GRP

PROGRAM KEY



66 To change the Program key function, reset the parameter number 1 or 2, then reenter all the rest of necessary settings.

Ex: Cancel Deferred polling.



DEFERRED POLL {P11 1:YES 2:NO NO . = 1

DEFERRED POLL [P1] 1:YES 2:NO NO . = 2

ENTER STN(S) [P1]



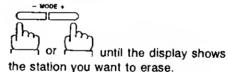
6c To erase and/or add the station number(s) for timer programs, while the display shows START TIME.



23:30 START TIME [02] (Station name)

START TIME 23:30 [02] (Station name)

. To erase a station number,



START TIME 23:30 [05] (Station name)

Ex: One-Touch key 05



START TIME 23:30 [01] (Station name)

Erase more stations, if necessary.

10

 To add a station number, press a One-Touch key or ABBR and two digits. while the cursor is blinking on lower right corner of the display.

START TIME 23:30 1021 (Station name)

Ex: ABBR and 4 5

START TIME 23:30 [45] (Station name)

Add more station numbers, if necessary.

• To confirm the new stations entered by pressing MODE - or +

To store the new station settings,



PROGRAM NAME [P1] PROG. A

6d To erase and/or add the station number(s) for normal Polling or Group Dialing (ABBR/GRP), follow the procedure below.

· To erase a station number,

ENTER STN(S) [P1] [02] (Station name)

≺until the display shows the station you want to erase.

ENTER STN(S) [P1] [05] (Station name)

Ex: One-Touch key 05



ENTER STN(S) [02] (Station name)

Erase more stations, if necessary.

· To add a station number, press a One-Touch key or ABBR and two digits. while the cursor is blinking on lower right corner of the display.

Ex: ABBR and 4 5

Add more stations, if necessary.

· To confirm the new stations entered by pressing MODE - or +

To store the new station settings,



PROGRAM NAME [P1] PROG. A

PROGRAM NAME [P1]

ENTER STN(S)

ENTER STN(S)

1021 (Station name)

]45] (Station name)

6c To change the program name, while the display shows PROGRAM NAME, write over the new program name using One-Touch/Character keys (see page 18).

Ex: EUROPE

To store the new name.



PROGRAM NAME [P1] EUROPE

PROGRAM KEY

PROG. A

1P11

[P1]

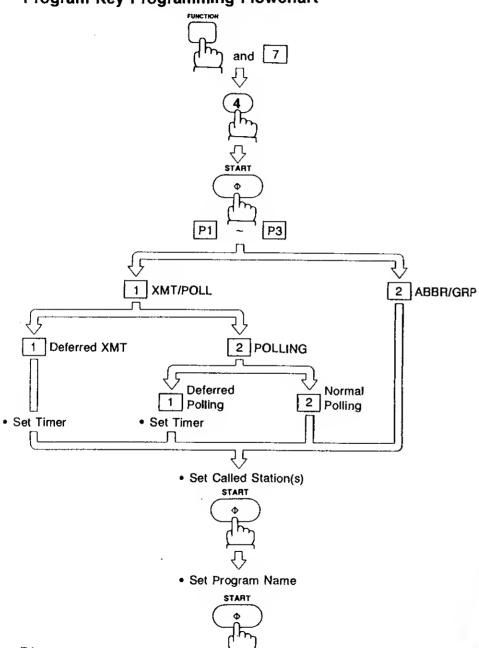
10

NOTE

To erese en extra cheracter in Step 6e, move the cursor to it by pressing > or < end press SPACE .



C



Using Program Keys

Once you have recorded a number, or group of numbers under a Program Key (see pages 65 - 69), you can use the key by following steps below.

To transmit documents using Program Keys,

Place a document face down on the ADF. Adjust left and right Document Guides.

DOCUMENT SET

Document Guide

10



Press program key.

Ex: P2

DOCUMENT SET

[P2] (Program name)

Dialing automatically begins (see Note).

* DIALING *
[20] (Station name)

To poll documents using Program Keys,

1.

Make sure no documents are on the ADF.

01-DEC-1990 15:00

2

Press program key:

Ex: [P3]

01-DEC-1990 15:00

[P3] (Program name)

Dialing automatically begins (see Note).

* DIALING *
[21] (Station name)

HOTE

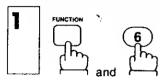
The display varies according to the entered mode settings.

PRINTOUT REPORTS AND LISTS

To help you maintain records of the documents you send and receive, as well as lists of the numbers you record, your facsimile machine is equipped to print out the following reports and lists: a Journal, Individual Transmission Journal, One-Touch/ABBR. No. list, Program list, and a FAX Parameter list.

Journal Printout

The "Journal" is a record of the last 32 transactions (a transaction is performed each time you send or receive a document). It is printed out automatically after every 32 transactions, but you can print it out manually in the following way:



PRINT OUT NO.≃■



JOURNAL PRINT

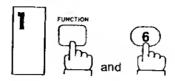


* PRINTING *
JOURNAL PRINT

The machine starts printing out Journal (see page 78).

Individual Transmission Journal (XMT JRNL)

An Individual Transmission Journal is printed out automatically after each transmission if you set XMT JRNL = ON in advance (see page 39). If necessary, it can also be obtained manually by using the following procedure.



PRINT OUT
NO.=





XMT JOURNAL



* PRINTING *

The machine begins printing out an Individual Transmission Journal (see page 78).



The Individual Transmission Journal contains information of the latest trensmission. If no transmission has been made within the last 32 transactions, an Individual Trensmission Journal with blank contents is printed out.

Sample Journal Printout

•••••	******	•••••	+++ -JOURN	AL- **	********	DATE 01-DE	1) C-1990 **	** TIME	(2) 15:00 *******
(3) NO.	(4) COM	(5) Pages	(6) DURATION	(7) X/R	8) IDENTIFI	1)	(9) Date	(10) Time	(11) DIAGNOSTIC
01	OK	05	00:01'06	XMT	Par	is Office	01-DEC	10:44	840480AC7800
05	S-OK	00	00:00 20	XMT	-		01-DEC	10:45	A40480AC7800
03	OK	01	00:03'19	RCV		GROUP2	01-DEC	10:47	010220200000
04	OK	02	00:01'07	XMT		al Office	01-DEC	10:53	840480AC7800
05	OK	05/05	00:02'38	XMT	(14) T 046	6 23 1689	01-DEC	10:57	840480AC7800
06	OK	* 02	00:01'09	RCV	Lo	ndon B.O.	01-DEC	11:04	050280AC7800
07 \ \	407	°°	00:00.46	хмт	Т	okyo B.O.	01-DEC	11:07	840480AC7800
32	OK	0 5/0 5	0 0:02′52	ХНТ	T	555 6949	01-DEC	12: 32	840480AC7800

(12) -UF-160 Tokyo

(13)

Sample Individual Transmission Journal

*****	•••••	*****	*******	*** ~JQU) RNAL- **** DATE 01-DE	(1) :C-1990 (···· TIME	(2) 15:00 ********
(3) NO.	(4) COM	(5) Pages	(6) DURATION	(7) X/R	(8) IDENTIFICATION	(9) Date	(10) Time	(11) OIAGNOSTIC
11	OK	01	00:00'54	XMT	London B.O.	O1-DE	C 10:44	C00480207920
				•				

(15) VOICE CONTACT REQUESTED.

> (12) -UF-160 Tokyo

(13)

Journal Printout Explanation

Printout date

: Day-Month-Year

Printout time

: Hour:Minute

Communication number

: 1 ~ 32 (Does not alweys begin with 1

when printed out manuelly.)

(4) Communication result

: "OK" indicetes thet the transmission was

successful.

"S-OK" indicates that STOP was pressed

during communication,

Three-digit information code (see page 87) appears when there wes a problem.

(5) Number of pages transmitted or received

The two digit number is the number of pages successfully trensmitted or received. When the Total Pege function is activated, two two-digit numbers will appeer. The first two-digit number represents the number of peges successfully transmitted. The second twodigit number represents the total number of pages that were ettempted to be transmitted.

An asterisk "*" indicetes thet the quelity of some received copies wes poor.

Duration of communication

: Hour: Minute Second

(7) Type of communication

: "XMT" means Trensmission "RCV" means Reception

(8) Remote station identification : A name indicates station name recorded in this machine. A number indicates remote station's ID number or Telephone number. Group 2, 3 indicates that the remote station was a CCITT G2, G3

machine.

Communication date (10)Communication start time

: Day-Month : Hour:Minute

(11) Diagnostic

: For service personnel only

(12)Own LOGO

: Up to 25 characters

Own ID number (13)

: Up to 20 digits

(14) Dialing method

: "T" indicates direct dialing or

One-Touch/Abbreviated dialing with no

recorded station name.

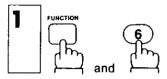
(15) Call back message

: Appears when voice contact was

requested.

One-Touch/ABBR. Dialing Number List

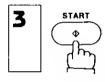
To print out a list of all the facsimile numbers you recorded under One-Touch/ABBR. Dialing numbers,



PRINT OUT
NO.=



ONE · TOUCH / ABBR . NOS .



* PRINTING *
ONE-TOUCH/ABBR.NOS.

The machine starts printing out a One-Touch/ABBR. Dialing Number List.

Sample One-Touch/ABBR. Dialing Number List

UNE.	-TOUCH/ABBR.NOS. *	****** DATE 01-DEC-1990 **	*** TIME 15.00 ****	P.1
(4)	(5)	(6)	(10)	
ABBR. NO.	STATION NAME	TELEPHONE NO.	ALT ABBR	
[01]	Yokohama B.O.	0456350804	[23]	
[02]	Nagoya B.O.	0522627811		
[03]	New York B.O.	51669956808		
[60]	ABC CO., LTD.	421-568 - 8523	[01]	11
[05]	Paris Office	5687644		_ -
(06)	Hong Kong	4210865		
[07]	XYZ gmbH	1987654	[05]	
(80) [09]	Tokyo B.O.	034919191		
(10)	Central Office	8765432		
[23]	Express Trans	2345678 8765432		
NO. OF STATION	(7)	01001152	•	
		8)		
		-UF-160 Tol	kyo -	
			(9)	

One-Touch/ABBR. Dialing Number List Explanation

_		_	
(1)	Printout date		: Day-Month-Year
(2)	Printout time		: Hour:Minute
(3)	Printout page number		

(4) Abbreviated number or One-Touch number

(5) Station name recorded in the machine
(6) Telephone number recorded in the machine
Up to 15 characters
Up to 36 digits
"-" indicates a pause.

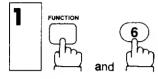
(7) Number of recorded ABBR and One-Touch numbers

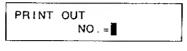
(8) Own LOGO : Up to 25 characters
(9) Own ID number : Up to 20 digits

(10) Alternative Abbreviated Number

Program List

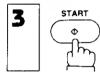
To print out a list of all the dialing patterns stored under the program keys,











* PRINTING *
PROGRAM LIST

The machine starts printing out a Program List.

Program List Explanation
(1) Printout date

(2) Printout time

Sample Program List

(5)

EUROPE

U.S.A.

ASIA

PROGRAM NAME

(4)

PROGRAM

[P2]

[P3]

: Day-Month-Year : Hour:Minute

(8)

[01]

ABBR. NOS.

[05],[10],[62],[64]

(9) -UF-160 Tokyo

(7)

TIMER

23:45

(3) Printout page number(4) Program key

(4) Program key : P1~P3
 (5) Program name : Up to 15 characters

(6)

XMT

POLL

ABBR/GRP

TYPE

(6) Type of communication : "XMT" indicates transmission.
"POLL" indicates polling.

"ABBR/GRP" indicates that the program key is programmed as a group key.

[03],[04],[07],[09],[19],[24],[36],[55]

(10)

11

(7) Timer Indicates the starting time.

"————" indicates that the program key contains ''non-deferred" program.

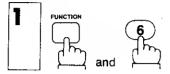
(8) Numbers recorded in the program

program : One-Touch and ABBR numbers

(9) Own LOGO : Up to 25 characters (10) Own ID number : Up to 20 digits

FAX Parameter List

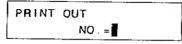
To print out a list of the FAX Parameters.







The machine starts printing out a Fax Parameter List.



FAX PARAMETER LIST

* PRINTING *
FAX PARAMETER LIST

Sample Fax Parameter List

PAS	(3) RAMETER NO. & PARAME	TER			(4) CURRENT SETTING	(5) STANDARD SETTING	
01 02 03 04 05 06 07 08 09 11 12 15 19 20 32	RESOLUTION ORIGINAL STAMP POLLED JOURNAL PRINT HEADER PRINT OIALING METHOD RELAY XMT REQUEST CONFIDENTIAL FAX PASSWORD XMT PASSWORD RCV ECH LMT JOURNAL FAX ACCESS CODE INITIAL OPR. CALL	(1:Standard (1:Normal (1:Off (1:Off (1:Inside (1:Tone (1:Invalid (1:Invalid (1:Invalid (1:Invalid (1:Off (1:Off (1:Invalid (1:Off (1:Off (1:Off	2:Fine 2:Dark 2:On) 2:On) 2:Automatic 2:Pulse) 2:Valid) 2:Valid) 2:Off 2:Off 2:On) 2:Automatic 2:Valid) 2:On)	3: None) 3: On) 3: On)	2 1 2 1 2 1 1 1 1 1 1 2 1 1 2	1 1 2 1 2 1 1 2 1 1 1 2 1 1 2	11
· · · · · · · · · · · · · · · · · · ·	,			-UF-160	(6) Tokyo - (7) -212 111 1234-		

Fax Parameter List Explanation

(1)	Printout date	: Day-Month-Year
(2)	Printout time	: Hour:Minute

(3) Parameter number

(4) Current setting

(5) Standard setting (see pages 33 and 34)

(6) Own LOGO : Up to 25 characters (7) Own ID number : Up to 20 digits

PROBLEM SOLVING AND DAILY 2 CARE

Information Codes

When something unusual occurs, the display may show one of the information codes below. These will help you fix the problem.

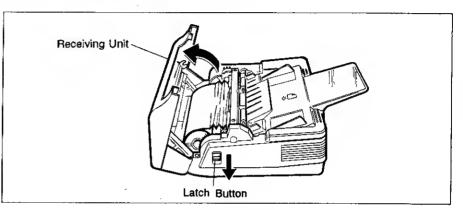
Information code	Meaning	Action
001 002	Recording paper jam.	Remove jammed paper. (See page 89)
004	Recording paper jam.	Remove jammed paper. (See page 89)
010	No recording paper or recording paper not set properly.	Reload recording paper. (See page 90)
020	Thermal Recording Head temperature is too high.	Open the receiving unit for 15 minutes to permit cooling. When the information code disappears from the display, you may continue the operation you were performing. If the code does not disappear, turn off the power and call your service man.
030	Document misfeeding.	1. Reload the document properly. (See page 32) 2. Remove document jam. (See page 93) 3. Adjust ADF. (See page 94)
031	Document paper is too long or jammed. Document length exceeds 1 meter.	Reload the document properly. (See page 31) Remove document jam. (See page 92)
039	STOP key was pressed while sending/copying documents and remains more than one page on the ADF.	Remove the documents on the ADF (press STOP) when a document is bitten at ADF). Reload the document and try again.

Information code	Meaning	Action
060	Cover is open or door opened during communication.	Close the Transmission Guide Unit and Receiving Unit.
400 464	During initial handshake, receiving station did not respond or communication error occurred.	Check with the other party. Reload the document and try again.
402 404 405 432	During initial handshake, communication failure occurred.	Reload the document and try again.
403	No polling capability at the remote side.	Ask remote side to set "POLLED = ON".
407 468 469	No confirmation from the receiving station for the previous page sent.	Wait a few minutes and send again.
408 409	Remote side confirmation of previous page is illegible.	Wait a few minutes and transmit again.
410	Invalid command received.	
411 414	Polling password does not match.	Check polling password.
412	No data from the transmitting side.	Check with the other party.
415	Polling transmission error.	Check polling password.
416 417 418 419 436 490	Received data has too many errors.	Check with the other party.
420	Machine goes to receiving mode, but receives no command from the transmitting side.	Remote side misdial. Check with the other party.

Information code	Meaning	Action
422 427	Interface is incompatible.	Check with the other party.
430 434 459 492 493 494 552 553 554	Communication error occurred, while receiving.	Check with the other party.
451 458 495 550	Telephone line disconnected.	Check with the other party.
457	Transmission failed. Remote unit doesn't have Relayed Transmission and Confidential Communication capability.	Check with the other party.
540 541 542 543 544	Communication error occurred, while transmitting.	Reload the document and try again. Check with the other party.
623	No document was on the ADF.	Reload the document and try again.
630 633	Redial was not successful due to a busy line or no response from the called station.	Reload the document and try again.

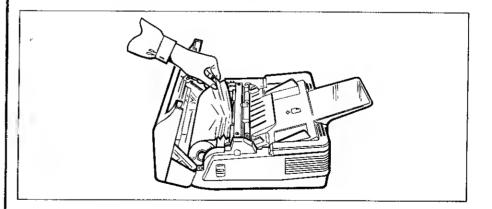
Clearing a Recording Paper Jam

If the recording paper becomes jammed in the machine, the display will show the information code 001 or 002. To clear the jam, open the Receiving Unit and remove the jammed recording paper as shown in the figure below. Then reset the recording paper following the loading procedure on page 90.



12

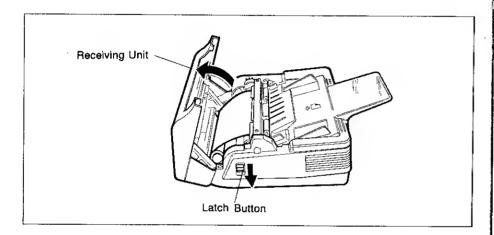
Then remove the paper as shown in the figure below.



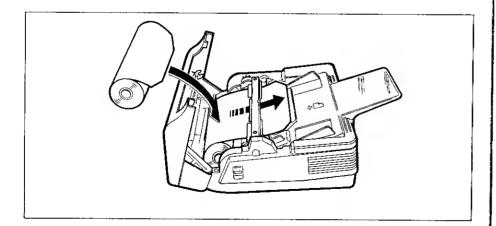
Reloading a Recording Paper

Your facsimile machine uses a roll of special recording paper. You can easily load paper yourself by following the steps below.

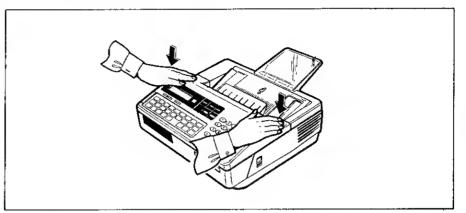
1. Open the Receiving Unit (Control Panel) by depressing the latch button.



2. If there is a used roll inside, lift it out and set a new roll in its place. Be sure the direction of the roll is as shown below.



3. Close the receiving unit carefully by pressing both ends gently until you hear the cover lock into position. The recording paper projected from the unit will be cut automatically. Remove this cut paper.



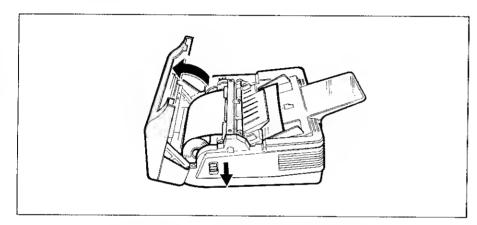
12

Clearing a Document Jam

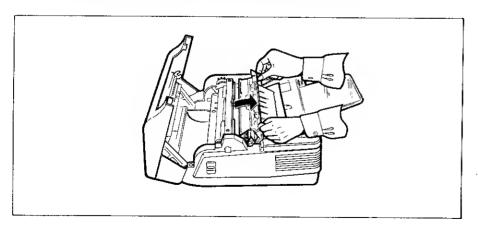
If a document becomes jammed in the machine, the display will show information code 031.

To clear the jam,

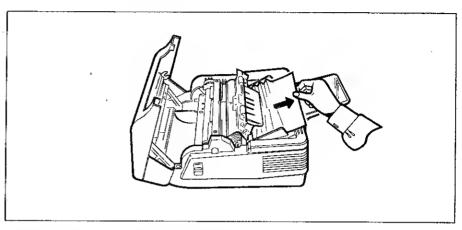
1. Open the Receiving Unit by depressing the latch button on the right side panel, and swing the Receiving Unit forward.



2. Unlock the ADF unit by gently pulling up both sides of the ADF unit. When the ADF unit springs open, raise it to release the jammed paper.

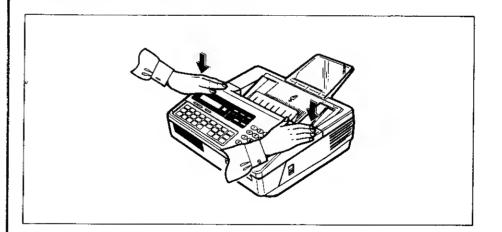


3. Remove the jammed paper.



12

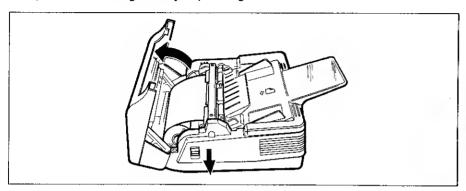
4. Relock the ADF unit into place by pressing down on it gently. Then gently close the Receiving Unit with both hands.



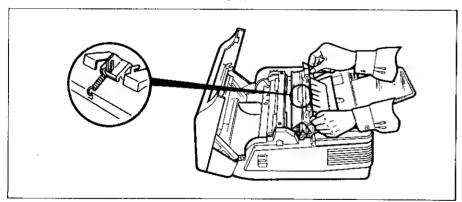
Adjusting the Automatic Document Feeder (ADF)

If misfeeding of a document happens frequently, we suggest you adjust the ADF following the procedure below.

1. Open the Receiving Unit by depressing the latch button.



2. Unlock the ADF unit by gently pulling up both sides of ADF.



3. Adjust the Pressure Plate.

Position 4	Set to this position if the feed trouble does not improve at Position 3.
Position 3	To prevent multiple feed trouble
Position 2	Standard Position
Position 1	To prevent non-feed trouble



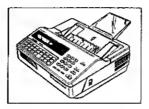
If the feed trouble continues after setting to Position 4, please call your service representative.

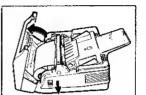
Refilling the Verification Stamp Unit

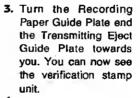
The verification stamp unit contains ink. When the stamp appears faded or hard to read, refill the stamp unit with ink.

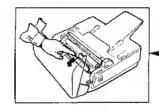
To refill the stamp unit,

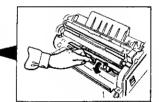
- 1. Open the Receiving Unit by depressing the latch button on the right side panel, and swinging the Receiving Unit forward.
- 2. Lift out the paper roll inside. (Note carefully the direction of the paper so that you can replece the roll correctly later on.)



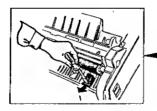


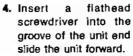


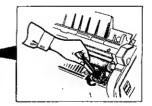




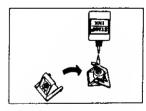
12







5. Pull the stamp unit out with e pair of tweezers.



- 6. Refill the stemp unit by plecing one drop of ink into the refill hole.
- 7. Replece the stamp unit by following the ebove instructions in the reverse order.



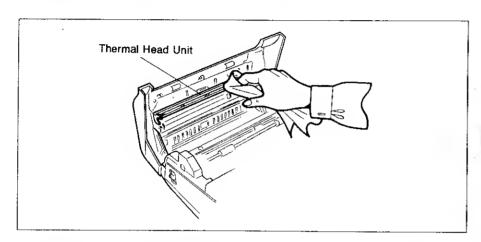
When the stamp unit is set as above, the stamp will appear on the front side of each page. If you want the stamp to appear on the back side of each page, esk your service personnel to change the stamp unit. 95

Cleaning the Thermal Recording Head

The thermal head in your machine needs to be cleaned periodically to ensure clear facsimile reproduction.

To clean the thermal head.

1. Open the Receiving Unit by depressing the latch button on the right side panel.



2. Wipe the surface of the thermal head unit gently with a soft cloth or gauze soaked with ethyl alcohol. Be sure to use a clean cloth since the thermal head can be easily scratched.

APPENDIX .

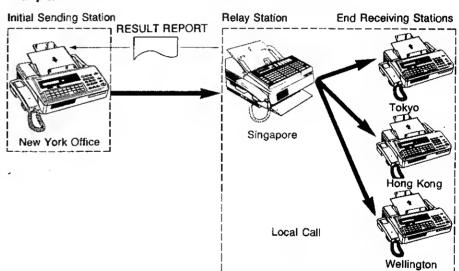
a. RELAYED (MULTI-STATION) TRANSMISSION

General Description

Relayed Transmission is a feature which can save you time and transmission costs if you need to send the same document to several facsimile stations at the same time. This is especially true if the transmissions are long distance.

To use Relayed Transmission, you must be part of a "Relay Network" built around a "Relay Station." That is, when you send a document by Relayed Transmission, you actually send it to a Relay Station together with instructions to relay it to one or more end receiving station(s). The Relay Station first receives the document in its memory and then relays it to the end receiving station(s).

Example:



NOTE

The number of end receiving stations that can be reached by a Relay Transmission is limited by the memory capacity of the initial sending machine; i.e., your machine cannot make a Relay Transmission to more than 70 end receiving stations. This is enough, however, to allow more than one Relay Network to be set up.

UF-160 Compatibility with Other Machines

Table 1 shows the kinds of facsimile machines which can make up a Relay Network used for Relayed Transmission. Note that the UF-160 can serve as an Initial Sending Station or End Receiving Station.

Table 1 Relay Network Compatibility Requirements

Station	Compatible Model	Special Settings
Initial Sending Station	UF-140 UF-150 UF-160 UF-170 UF-250 UF-260 UF-620 UF-640 UF-750	Required. Please refer to the individual User's Guides of each machine.
Relay Station	UF-620 UF-640	
End Receiving Station	CCITT G3/G2 compatible machines	Not required.

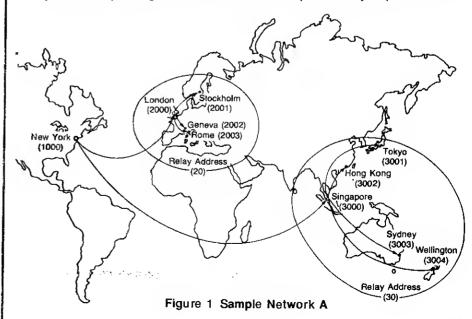
Relay Network

A Relay Network is basically a group of facsimiles programmed to communicate with each other via a Relay Station. In this case, the word programmed means that certain numbers have been stored in the memory of each machine. These numbers, also called parameters, are needed to identify the machines in the network.

Since the UF-160 can only serve as an Initial Sending Station or End Receiving Station in a Relay Network, it is assumed that you will not have to establish the network yourself. All you have to do is follow the setting up procedure described here, and certain instructions provided by the network organizer (usually the person controlling the Relay Station). You should know, however, what kind of network you are going to connect to, and how it works. Two sample networks are shown in Figures 1 and 2.

Figure 1 shows a sample network as seen from New York. London and Singapore are Relay Stations connected to New York. Viewed from New York, Stockholm, Geneva, Rome, Tokyo, Hong Kong, Sydney, and Wellington are End Receiving Stations. (Note: Sample network A is merely an example and does not imply that all of the countries shown can be connected in this kind of network.)

With this simple network using two Relay Stations, you can send a document with one operation to any combination of stations in the network via the London Relay Station and/or Singapore Relay Station. If New York only transmits to one station, for example, then the document will go directly to the station or indirectly via the Relay Station depending on the One Station XMT parameter you preset.



Tables 2, 3 and 4 are sample Parameter Tables for Network A.

Table 2 Sample Parameter Table for New York

One Touch/ A88R No.	Station Name	Telephone Number	Relay Address	Relay Station YES/NO	Network Address	One Station XMT
	New York	212 111 1234		_	1000	
01	London	011 44 1 1111234	20	YES	2000	Direct
02	Stockholm	011 46 8 1111234	20	NO	2001	Direct
03	Geneva	011 41 22 1111234	20	NO	2002	Direct
04	Rome	011 39 6 1111234	20	NO	2003	Direct
05	Singapore	011 65 1111234	30	YES	3000	Direct
06	Tokyo	011 81 3 1111234	30	NO	3001	Relay
07	Hong Kong	011 852 5 1111234	30	NO	3002	Relay
08	Sydney	011 61 2 1111234	30	NO	3003	Relay
09	Wellington	011 64 4 1111234	30	NO	3004	Relay

Table 3 Sample Parameter Table for London

One-Touch/ A88R No.	Station Name	Telephone Number	Relay Address	Relay Station YES/NO	Network Address
	London	1 111 1234	20	_	2000
01 02 03 04	Stockholm Geneva Rome New York	010 46 8 1111234 010 41 22 1111234 010 39 6 1111234 010 1 212 1111234	20 20 20	NO N	2001 2002 2003 1000

Table 4 Sample Parameter Table for Singapore

One-Touch/ A88R No.	Station Name Telephone Number		Relay Address	Relay Station YES/NO	Network Address
	Singapore	1111234	30		3000
01 02 03 04 05	Tokyo Hong Kong Sydney Wellington New York	005 81 3 1111234 005 852 5 1111234 005 61 2 1111234 005 64 4 1111234 005 1 212 1111234	30 30 30 30 —	NO NO NO	3001 3002 3003 3004 1000

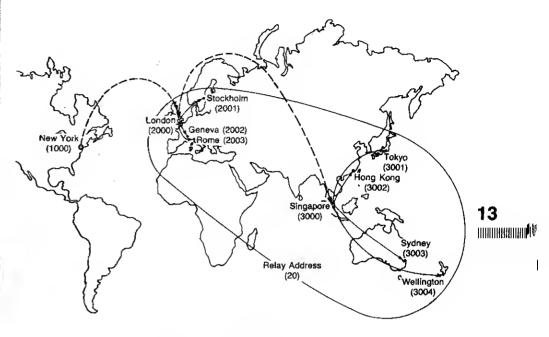


Figure 2 Sample Network B

Figure 2 shows Sample Network B as seen from New York. London and Singapore are both Relay Stations which are connected with New York in series. Viewed from New York, the Singapore Relay Station is an End Receiving Station like the other stations. This is a more complex network configuration using two Relay Stations in which you may still send a document with one operation to any combination of stations via the main Relay Station in London. (Note: Sample network B is merely an example and does not imply that all of the countries shown can be connected in this kind of network.)

However, in this case the End Receiving Stations, Tokyo, Hong Kong, Sydney and Wellington will be served via the Singapore Relay Station. It should be noted that the two Relay Stations will only be used when the Initial Sending Station in New York specifies more than one End Receiving Station off the second Relay Station. If only one End Receiving Station is specified, then this will automatically be included in the broadcast via the first Relay Station. More than one Relay Network may be configured within these constraints.

Table 5 Sample Parameter Table for New York

Station Name	Telephone Number	Relay Address	Relay Station YES/NO	Network Address	One Station XMT
New York	212 1111234		_	1000	-
London	011 44 1 1111234	20	YES	2000	Direct
Stockholm	011 46 8 1111234	20	NO	2001	Direct
Geneva	011 41 22 1111234	20	NO	2002	Direct
Rome	011 39 6 1111234	20	NO	2003	Direct
Singapore	011 65 1111234	20	NO	3000	Direct
Tokyo	011 81 3 1111234	20	NO	3001	Relay
Hong Kong	011 B52 5 1111234	20	NO	3002	Relay
Sydney	011 61 2 1111234	20	NO	3003	Relay
Wellington	011 64 4 1111234	20	NO	30 0 4	Relay
	New York London Stockholm Geneva Rome Singapore Tokyo Hong Kong Sydney	Station Name Number New York 212 1111234 London 011 44 1 1111234 Stockholm 011 46 8 1111234 Geneva 011 41 22 1111234 Rome 011 39 6 1111234 Singapore 011 65 1111234 Tokyo 011 81 3 1111234 Hong Kong 011 852 5 1111234 Sydney 011 61 2 1111234	Station Name Number Address New York 212 1111234 — London 011 44 1 1111234 20 Stockholm 011 46 8 1111234 20 Geneva 011 41 22 1111234 20 Rome 011 39 6 1111234 20 Singapore 011 65 1111234 20 Tokyo 011 81 3 1111234 20 Hong Kong 011 852 5 1111234 20 Sydney 011 61 2 1111234 20	Station Name	Station Name

Table 6 Sample Parameter Table for London

One Touch/ A88R No.	Station Name	Telephone Number	Relay Address	Relay Station YES/NO	Network Address
	London	1 111 1234	20	_	2000
01	Stockholm	010 46 8 1111234	20	NO	2001
02	Geneva	010 41 22 1111234	20	NO	2002
03	Rome	010 39 6 1111234	20	NO	2003
04	Singapore	010 65 1111234	30	YES	3000
05	Tokyo	010 81 3 1111234	30	NO	3001
06	Hong Kong	010 852 5 1111234	30	NO	3002
07	Sydney	010 61 2 1111234	30	NO	3003
08	Wellington	010 64 4 1111234	30	NO	3004
09	New York	010 1 516 1111234	-	_	1000

Table 7 Sample Parameter Table for Singapore

	3-1			
Station Name	Telephone Number	Relay Address	Relay Station YES/NO	Network Address
Singapore	1111234	30	_	3000
Tokyo Hong Kong Sydney Wellington New York	005 81 3 1111234 005 852 5 1111234 005 61 2 1111234 005 64 4 1111234 005 1 212 1111234	30 30 30 30 —	NO NO NO	3001 3002 3003 3004 1000
	Singapore Tokyo Hong Kong Sydney Wellington	Singapore 1111234 Tokyo 005 81 3 1111234 Hong Kong 005 852 5 1111234 Sydney 005 61 2 1111234 Wellington 005 64 4 1111234	Station Name Number Address Singapore 1111234 30 Tokyo 005 81 3 1111234 30 Hong Kong 005 852 5 1111234 30 Sydney 005 61 2 1111234 30 Wellington 005 64 4 1111234 30	Station Name Relay Number Helay Address Station YES/NO Singapore 1111234 30 — Tokyo 005 81 3 1111234 30 NO Hong Kong 005 852 5 1111234 30 NO Sydney 005 61 2 1111234 30 NO Wellington 005 64 4 1111234 30 NO

Setting Up Your Machine for Relayed Transmission

To set up your machine for Relayed Transmission, use the procedures on the following pages to set the eight parameters listed below. Some parameters (e.g., Relayed XMT Fax Parameter) are only set once, but others must be set separately for each station in the Relay Network.

1. Relayed XMT Fax Parameter:

This switches the Relayed XMT function ON or OFF.

2. Own Telephone Number:

The full telephone number should be entered.

3. Network Address:

End Receiving station telephone numbers set in an Initial Sending station may be different from the numbers set in a Relay Station. To send a fax to an End Receiving station via a Relay Station each station in the network must be identified with a certain code which does not vary depending on where you call from. The code is the Network Address, which consists of a four-digit number and is assigned to a One-Touch/ABBR number.

4. Network Password:

A four-digit number which prevents unauthorized (outside) stations from accessing the Relay Station and using its memory. Every station in the network should set the same Network Password.

5. One-Touch/ABBR Numbers:

The One-Touch or ABBR number you set must represent the fax number of a particular station in the network as seen from your station.

6. Relay Station Parameter (Yes/No):

Set "Yes" if the particular station you are recording is a Relay Station. If you are connected to more than one Relay Station in series, set "YES" only for the first Relay Station.

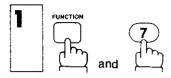
7. Relay Address:

A two-digit number which identifies the Relay Station your machine will use. Your machine may be connected to more than one Relay Station in parallel, but when you use Relayed XMT your machine will only send documents to the Relay Station identified by the Relay Address.

8. One Station XMT (Relay/Direct) Parameter:

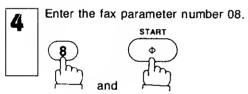
If you send a document to only one End Receiving Station, you can set your machine to transmit directly to that station, without going through the Relay Station, by selecting "Direct." Set "Relay" if you always want to go through the Relay Station.

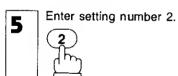
To set the Relayed XMT Fax Parameters;

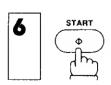


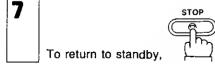












SET MODE NO. =

FAX PARAMETERS

FAX PARAMETER NO . =

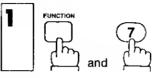
08 RELAY XMT REQUEST 1: INVALID

09 RELAY XMT REQUEST 2: VALID

09 CONFIDENTIAL FAX 1: INVALID

01-DEC-1990 15:00

To set your own Telephone Number, your own Network Address, and the Network Password:



SET MODE NO . =



RELAYED XMT & CONF.COMM.PARAMETERS

OWN TELEPHONE NO.

OWN TELEPHONE NO.

1 212 111 1234



(max. 36 digits).

Ex: 1 212 111 1234



OWN NETWORK ADORESS

Enter your Network Address (four digits). Ex: 1000

OWN NETWORK ADORESS 100



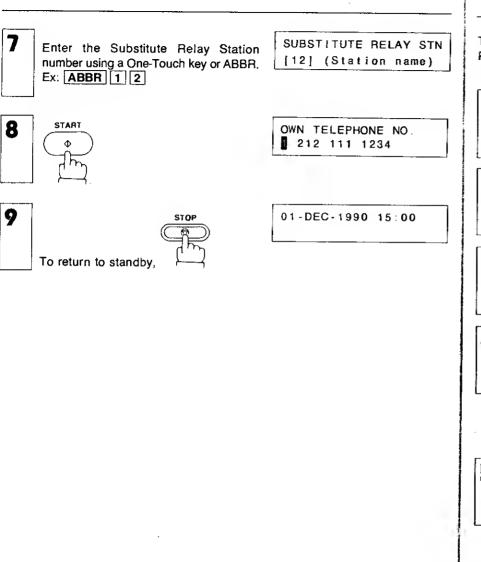
Ex: 9999

NETWORK PASSWORD

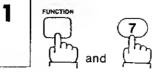
NETWORK PASSWORD 999

6 Enter the Network Password (four digits) and.

SUBSTITUTE RELAY STN



To set a One-Touch/ABBR, Dialing Number, Network Address, Relay Station Parameter (YES/NO) and One Station XMT (Relay/Direct) parameter;



SET MODE NO.≖∎



ONE-TOUCH/ABBR. NOS.

13



ONE-TOUCH/ABBR.

Press a One-Touch key or ABBR and two-digit number.

Ex: One-Touch key 01

[01] TELEPHONE NO.

Enter called station's number.

Ex: 0 1 1 SPACE 6 5 SPACE 1 1 1 1 2 3 4 [01] TELEPHONE NO. 011 65 1111234



[01] STATION NAME

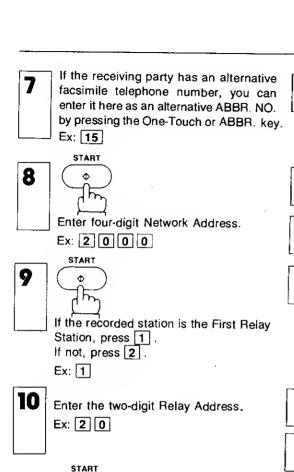
Enter called station's name.

[01] STATION NAME SINGAPORE

To set the name,

Ex: SINGAPORE

[01] ALT. ABBR. NO.



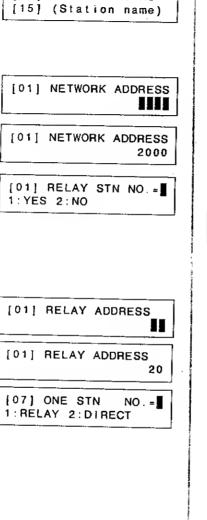
In case the station you have just recorded will be used for one-station transmission, you can preset the transmission route. 1 For transmission via the Relay

Repeat steps 4 through 11 to enter the numbers for other stations, or return to

Station

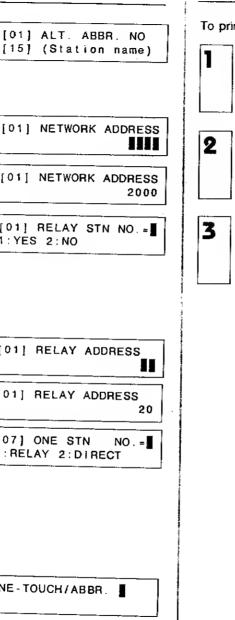
2 For direct transmission

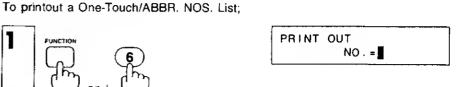
standby by pressing STOP .



ONE-TOUCH/ABBR.

Section of the section









13

Sample One-Touch/ABBR. NOS. List

(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ABBR. NO.	STATION NAME	TELEPHONE NUMBER	NETWORK Address	RELAY STATION	RELAY ADDRESS	ONE STN XMT	ALT ABBS
[01]	London	011 44 1 1111234	2000	YES	20	DIRECT	
[02]	Stockholm	011 46 8 1111234	2001	NO	20	DIRECT	
[03]	Geneva	011 41 22 1111234	2002	ON	20	DIRECT	[20]
[04]	Rome	011 39 6 1111234	2003	NO	20	DIRECT	[47]
[05]	Singapore	011 65 1111234	3000	Z3Y	30	DIRECT	۲.,,
[06]	Tokyo	011 81 3 1111234	3001	NO	30	RELAY	
[07]	Hong Kong	011 852 5 1111234	3002	NO	30	RELAY	
[08]	Sydney	011 61 2 1111234	3003	NO	30	RELAY	
[09]	Wellington	011 64 4 1111234	3004	NO	30	RELAY	
	NO. OF STATE	IONS = 09 (12)					
	OWN TELEPHONE	NO. = 212 1111234	(13)				
1	OWN NETWORK ADD	RESS = 1000	(14)				
	NETWORK PASS	WORD = 9999	(15)				
9	UBSTITUTE RELAY	STN = (60)		(1	6)		
_							

Sample One-Touch/ABBR. NOS. List Explanation

(1) Printout date	: Day-Month-Year
(O) Drintout times	. Day Mondi-Teal
(2) Printout time	: Hour:Minute
Amin amin	. 11001.191(1016

(3) Printout page number

(4) Abbreviated number or One-Touch number

(5) Station name recorded in the machine : Up to 15 characters

(6) Telephone number recorded in the machine: Up to 36 digits

(7) Network Address

(8) Relay Station

: Yes/No

(9) Relay Address

(10) One station XMT

station XMT : Relay/Direct

(11) Alternative ABBR. Number

(12) Number of recorded ABBR, and One-Touch numbers

(13) Own telephone number

(14) Own Network Address

(15) Network Password

(16) Own LOGO

: Up to 25 characters

(17) Own ID number

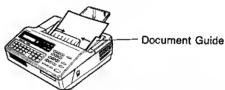
: Up to 20 digits

Sending Relayed Faxes

To send the same document to several places at the same time (Relayed Transmission), you must be connected to a facsimile network using a Relay Station. You must also set FAX Parameters and record network and station address parameters in the memory of your machine. See Relayed XMT (Transmission) and Confidential Fax Network Features and Requirements in the Appendix for a detailed description of the network and recording procedures. By setting the RELAYED XMT function (see below) you will also be able to transmit to a single station via a fixed route (leased line) which has been preset at the Relay Station.

Once you have set up your network and are connected to a Relay Station, you can send faxes with the following procedure.

Place documents face down on the ADF.
Adjust left and right Document Guides.



2 FUNCTION 2

RELAYED XMT ENTER STATIONS

Dial by pressing a One-Touch key, or ABBR and 2 digits.

Ex: One-Touch key 10

RELAYED XMT
[10] (Station name)

To add more One-Touch or ABBR numbers (up to 100 maximum), repeat step 3.

RELAYED XMT [35] (Station name)

Ex: ABBR and 3 5.





(In this example Station No. 5 is the Relay Station.)

* DIALING * [05] (Station name)

To erase or change stations set in steps 3 or 4, press CLEAR. If you recorded several, use MODE - or + to find the station you want. Then press CLEAR . Add new stations with One-Touch keys, or ABBR and two digits.

Printouts and Reports

When you use Relayed Transmission, your machine will print out the following two reports to help you check and keep track of your faxes (see pages 114~116 for samples of these reports).

1. Relay XMT Report (COMM. JOURNAL)

When your machine finishes transmitting to the Relay Station, it will print out a RELAY XMT REPORT report telling you what it did and whether it was successful

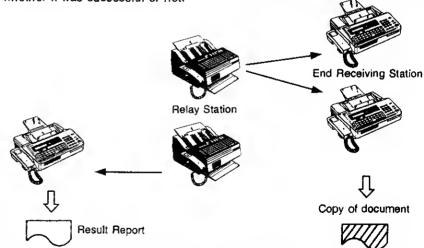


13

Relay XMT Report (COMM. JOURNAL)

2. Result Report

When the Relay Station finishes transmitting the fax it received from you to the end receiving station(s) in your network, and/or the Relay Station in another network, it will print out a RELAY XMT RESULT report telling you what it did and whether it was successful or not.



If you transmit via more than one Relay Station, you will receive a separete Result Report.

Sample Relayed Transmission Report (COMM. JOURNAL)

(4) MOOE = TRANSMISSION			STA	ART = 01-	(5) DEC 16:00	(6) END = 01-DEC	
(7) NO.	(8) COM	(9) ABBR/NTWK	(10) STATION NAME/ TELEPHONE NO.	(11) PAGES	(12) PRG. NO.	(13) PROGRAM NAME	(14) RLY STN
01	R-QK	[01]/2000	London	01/01			[01]/2000
02	R-OK	[02]/2001	Stockholm	01/01			[01]/2000
03	R-OK	[03]/2002	Geneva	01/01			[01]/2000
04	R-OK	[04]/2003	Rome	01/01			[01]/2000
05	R-OK	[05]/3000	Singapore	01/01			[01]/2000
06	R-OK	[06]/3001	Tokyo	01/01			[01]/3000
07	R-OK	[07]/3002	Hong Kong	01/01			[01]/3000
80	INC	[08]/3003	Sydney	00/01			[01]/3000
09	R-OK	[09]/3004	Wellington	01/01			[01]/3000

-UF-160 Tokyo

(15)

(16)

Sample Relayed Transmission Report Explanation

(1) Printout date : Day-Month-Year (2) Printout time : Hour:Minute

(3) Printout page number

(4) Indication of Transmission mode

(5) Starting time of transmission

(6) Ending time of transmission

(7) Communication number

(8) Communication result : "R-OK" indicates that the transmission to the Relay Station was successful. "INC" indicates that the

transmission to the Relay Station was incomplete.

(9) Abbreviated number and Network Address

(10) Station name

(11) Number of page transmitted

(12) Program number

(13) Program name

(14) Relay Station number

(15) LOGO : Up to 25 characters

(16) ID number : Up to 20 digits

114

Sample Result Report (Relay XMT Result)

	1}		(2)		(3)	(4)		
1989-	02-16 16:	:37 UF-640	Singapore		65 1111234	P.01/01		
	••• UF-640	0 ***** RE	LAY XMT RE	SIII.T #####	(5) 02-16 ***** 1	(6) TIME 16:36 ***	(7)
	(8)				ONIL 1909-	02-10	THE 10:30 ***	*** P. I
MODE :		DHM.	RELA	(9) Y/NETWORK	ADOR. : 20/200	00		
		ſ	10)		(11)	(12)		•
REQUES	ST RCVD TI	IME = 02-16	16:01 S	TART = 02-	16 16:03 EN	D = 02-16 16	: 36	
DOC NO	(13)). = 002			(1)				
טטט אנ). = 002		NO. OF	PAGES = 0	1			
		4			15)			
		REQUESTI	G NETWORK	AODR. = 10	000			
					(16)			
		REQUESTI	G TELEPHO	NE NO. = 2	12 111 1234			
(17)	(18)		(19)	(20)				
NO. 01	OK OK	NETWORK/ OWN	RELAY ADD					
02	OK.	2001	20	01/01 01/01				
03	OK	2002	20	01/01				
04	OK	2003	20	01/01				
05	0 K	3000	20	01/01				
06	INC	3001	20	01/01				
07	OK	3002	20	01/01				
08	OK	3003	20	01/01				
						(2)		
						-UF-640 Londo	n -	
							(21)	
						-01	1111234-	
*****	••••••	-PANASONIC	- ******		**********	***** -44 1	(3) 111123年— ####	.*
							(22)	
						TOTA	L P.01	

Sample Result Report Explanation

(1) Printout date and time

: Year-Month-Day

(2) Relay Station's LOGO

(3) Relay Station ID number

(4) Page number(5) Transmitted date

: Number of pages sent/Total pages : Year-Month-Day

(6) Transmitted time

(7) Transmitted pages

(8) Function mode

(9) Relay Address/Network Address of the Relay Station

(10) The time when the Relayed Faxes are accepted by the Relay Station

(11) The time when the Initial Sending Station transmitted Relay Faxes

(12) The time when the Relay Station sent back the Relay XMT Result to the Initial Sending Station

(13) Document file number registered in Relay Station's memory

(14) Document file page number

(15) Network Address of the Initial Sending Station

(16) Telephone number of the Initial Sending Station

(17) Number of the End Receiving Station

(18) Communication result

: "OK" indicates that the transmission was successful.

: "INC" indicates that the transmission was incomplete.

(19) Network Address/Relay Address

(20) Page number

(21) Relay Station's telephone number

(22) Number of total pages printed out

: Number of pages sent/Total pages

b. CONFIDENTIAL COMMUNICATIONS

General Description

This feature is a simple way to ensure that confidential information reaches the right person without anyone else seeing it. When you send a normal fax, it is printed out immediately by the receiving machine and almost anyone who uses the machine might see the fax. When you use the Confidential Communication feature, however, the fax is stored in the memory, of a designated machine (Relay Station) where only a person with the right Confidential Code number can retrieve it.

Figure 1 illustrates how a Confidential fax can be sent via a Relay Station. First the Initial Sending Station sends a confidential fax to the Relay Station together with a Confidential Code. The fax will then be stored in the Relay Station's memory until polled by an End Receiving Station or printed out at Relay Station. The End Receiving Station must know the Confidential Code attached to the fax and share the Polling Password with the Relay Station. Note that your machine works as an Initial Sending Station or End Receiving Station.



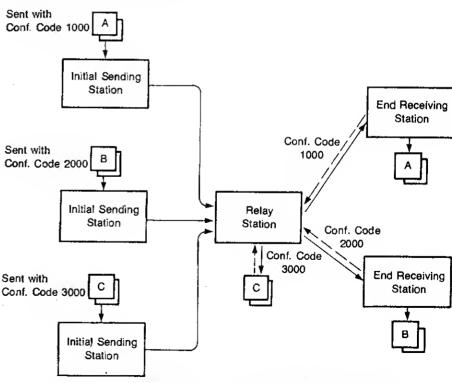


Figure 1 Confidential Communications via a Relay Station

UF-160 Compatibility with Other Machines

Table 1 shows how the UF-160 fits in with the compatibility requirements of the different kinds of facsimile stations which make up a Relay Network for Confidential Communications. It also shows whether or not special settings are required.

Table 1 Confidential Communication Regulrements

	Ţ	T		
Station	Model	Special Settings		
Initial Sending Station	UF-140 UF-150 UF-160 UF-170 UF-250 UF-260 UF-620 UF-640 UF-750			
Relay Station	UF-620 UF-640	Required. Please refer to the individual User's		
End Receiving Station (Closed User Group)	UF-140 Panafax 145 UF-150 Panafax 155 UF-160 UF-170 UF-250 UF-260 UF-620 UF-640 UF-750	Guides of each machine.		

If UF-620 is the Relay Station, more than one document can be stored in the same memory file using the same Confidential Code. That is, you can keep adding faxes to the file, just like putting mail in a mailbox, until the memory is full. If UF-640 is the Relay Station, you cannot add a fax to the title which has the same Confidential Code attached with the titles already stored in the memory. Whichever station you use you can also create more than one file, each with a different Confidential Code.

Note also that once you have polled or printed out the confidential fax from the Relay Station, the fax is automatically erased from the memory.

Setting Up Your Machine for Confidential Communications

To use Confidential Communications you must first preset the Confidential Communication Fax Parameter described below. Then, every time you actually send a Confidential Fax you must set a Confidential Code.

1. Confidential Communications Fax Parameter:

This switches the Confidential Communications function ON or OFF.

2. Own Telephone Number:

The full telephone number should be entered.

3. Network Password and Polling Password

You may use Network Password and Polling Password to prevent outside facsimile(s) from using the Confidential Communication network. The same password must be provided to all the machines inside the network.

4. Confidential Code:

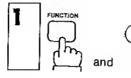
A four-digit code which you must assign to each Confidential Fax you send. It identifies the fax when it is stored in the Relay Station. The receiving person must know the code in order to poll the fax from the Relay Station.

13

NOTE

To set Polling Password, see page 53.

To set your own Telephone Number, your own Network Address and the Network Password,



SET MODE NO . =



RELAYED XMT & CONF. COMM. PARAMETERS

13



OWN TELEPHONE NO.



OWN TELEPHONE NO.

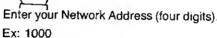
Enter your facsimile telephone number (max. 36 digits).

Ex: 1 212 111 1234

1 212 111 1234



OWN NETWORK ADDRESS



OWN NETWORK ADDRESS 1000



Ex: 9999

START

and.

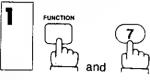
NETWORK PASSWORD

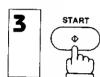
NETWORK PASSWORD 9999

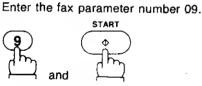
Enter the Network Password (four digits)

SUBSTITUTE RELAY STN

To set the Confidential Communications Fax Parameter,







09 CONFIDENTIAL FAX 1: INVALID

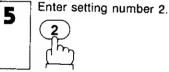
NO. = 1

SET MODE

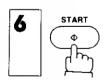
FAX PARAMETERS

FAX PARAMETER

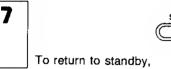
NO. =



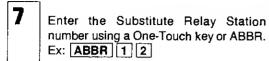
09 CONFIDENTIAL FAX 2.VALID



11 PASSWORD XMT 1: INVALID



01-DEC-1990 15:00



SUBSTITUTE RELAY STN [12] (Station name)



OWN TELEPHONE NO. 212 111 1234

9

To return to standby.

01-DEC-1990 15:00

Sending a Confidential Fax to a Relay Station

Place a document face down on the ADF.
Adjust left and right Document Guides.

DOCUMENT SET



2



5

CONFIDENTIAL COMM.

13

Enter

Enter Confidential Code (four digits). Ex: 2233

CONFIDENTIAL COMM. CONF.CODE=2233

CONFIDENTIAL COMM. ENTER STATION

Dial the Relay Station's number by pressing a One-Touch key, ABBR and two digits, or TEL/DIAL and a full number.

CONFIDENTIAL COMM.
[05] SINGAPORE

Ex: One-Touch key 05





CONFIDENTIAL XMT
[05] SINGAPORE

* DIALING * 106 65 1111234

6

If necessary, inform the receiving party of the confidential Fax and tell them the Confidential Code and the Relay Station you sent the document to.

NOTE

You can skip Step 6 and Step 7 if not necessary.

Polling a Confidential Fax from a Relay Station

After you have been informed that someone has transmitted a confidential Fax to a Relay Station, you can retrieve the Confidential Fax from the Relay Station's memory in the following way.



Make sure no documents are on the ADF.



2





CONFIGENTIAL COMM.

3

Enter Confidential Code (four digits). Ex: 2 2 3 3

CONFIDENTIAL COMM. CONF. CODE=2233

CONFIDENTIAL COMM. ENTER STATION

4

Dial the Relay Station's number by pressing a One-Touch key, ABBR and two digits, or TEL/DIAL and a full number.

CONFIDENTIAL COMM.
[01] SINGAPORE

Ex: One-Touch key 01

5



The machine begins dialing the Relay Station and, when it answers, retrieves the confidential fax.

CONFIDENTIAL POLL
[01] SINGAPORE

* DIALING * 011 65 1111234

Printouts and Reports

When you send a Confidential Fax to the Relay Station by dialing its One-Touch or ABBR. number, or the station's full number, your machine will print out a Confidential XMT Report, automatically, as soon as the transmission ends.

Sample Confidential XMT Report (COMM. JOURNAL)

****** DATE 01-DEC-1990 ***** TIME 10.20AM ****** (5) MODE = CONFIDENTIAL_XMT START = 01-DEC 10:20 END = 01-DEC 10:20 (6) (8) (9) (10)(11) (12) NO. COM STATION NAME PAGES PRG. NO. PROGRAM NAME RLY STN [051/3000 01 [05]/3000 CONFIDENTIAL CODE = 2233

> (14) -UF-160 Tokyo

Sample Confidential XMT Report Explanation

(1) Printout date

: Day-Month-Year

(2) Printout time

: Hour:Minute

- (3) Indication of confidential transmission mode
- (4) Starting time of transmission
- (5) Ending time of transmission
- (6) Communication number
- (7) Communication result

: "R-OK" indicates that the transmission to the Relay Station was successful. "INC" indicates that the transmission to the Relay Station was incompleted.

- (8) Abbreviated number/ One-Touch/ABBR. number/Network Address
- (9) Station name
- (10) Number of page transmitted
- (11) Program number
- (12) Program name
- (13) Relay station number
- (14) Own LOGO (15) Own ID number

: Up to 25 characters

(16) Confidential Code

: Up to 20 digits

c. PASSWORD COMMUNICATION

Password Communications, including Password Transmission and Password Receiving, prevent your machine from sending a fax to a wrong station or receiving a fax from unauthorized stations. You can set Password Transmission and Password Receiving independently, or set both together.

To use Password Transmission, you have to set Fax Parameter 11 to the valid position (see pages $26 \sim 29$) and set a four-digit Transmission Password in your machine in advance. The password must be shared with the other UF-160 machine(s). If the Transmission Password set in your machine does not match the Transmission Password set in the other UF-160 machine(s), the transmission will fail. You can select to use Password Transmission or not by setting PASSWD-XMT to on or off when you send a document.

To use Password Receiving you have to set Fax Parameter 12 to the valid position (see pages 26~29) and set a four-digit Receiving Password in your machine in advance. The password must be shared with the other UF-160 station(s). If the Receiving Password set in your machine does not match the Receiving Password set in the other UF-160 machine(s), the reception will fail. Once you set Password Receiving to on, it is valid until you change the setting to off.

You can communicate, using Password Transmission or Password Receiving, with the following models UF-160, UF-170, UF-260 and UF-750.

Setting Transmission Password and Receiving Password

Before setting Transmission Password and Receiving Password, be sure to set Fax Parameters 11 and 12 to the OFF position (see pages 26~29).

To set Transmission Password and Receiving Password, follow the procedure below.

SET MDDE NO. = 2 USER PARAMETERS XMT - PASSWORD repeatedly. 4 XMT-PASSWDRD Enter a four-digit Transmission Password. 5000 Ex: 5 0 0 0 To set the Transmission Password. **RCV - PASSWORD** START **RCV-PASSWDRD** Enter a four-digit Receiving Password. 6000 Ex: 6000 To set the Receiving Password. DATE & TIME START 12-01-1990 15:00

Ω

To return to standby, press STOP

The range of password you can enter is from 0001 to 9999.

13

How to Start Password Transmission

Password Transmission is preset to OFF in your machine.

To start Password Transmission, set PASSWD-XMT to ON following the procedure below.

Place a document face down on the ADF. Adjust left and right Document Guides. DOCUMENT SET

2 - MODE - repeatedly.

DOCUMENT SET
PASSWORD-XMT=OFF

3 SELECT

DOCUMENT SET
PASSWORD-XMT=ON

To turn PASSWD-XMT to OFF, press SELECT again.

Dial by pressing a One-Touch key, ABBR and two digits, or TEL/DIAL and a full number.

* DIALING *
[45] (Station name)

Ex: ABBR 4 5

If your machine's Transmission Password coincides with the other station's, your machine starts sending the document. If not, the display shows an error code.

When transmission is completed, PASSWD-XMT returns to standard setting.

NOTE

- 1. You can send a document to multiple stations by using Password Transmission.
- To change the Standard setting of Password Transmission, see page 28. Once you
 set the standard setting to ON, turn PASSWD-XMT to OFF by pressing SELECT when
 you send a document, if necessary.

How to Set Password Receiving

Password Receiving is preset to OFF in your machine.

To set Password Receiving, change the standard setting of Password Receiving to ON by following the procedure below.

FUNCTION 7

SET MODE

2 5

FAX PARAMETERS

13

START OF

FAX PARAMETER NO.

Enter Parameter Number 12 by pressing 12.

12 PASSWORD RCV 1:INVALID

5

To set Password Receiving, press 3

12 PASSWORD RCV 3:ON

6 START

15 ECM 2:0N

To return to standby, press STOP

NOTE

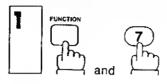
Once you set Password Receiving, it is valid until you change the standard setting to OFF. To do so, enter 1 in Step 5, then press START.

d. FAX ACCESS CODE

The Fax Access Code prevents an unauthorized user from operating the machine. Once a four-digit Fax Access Code is registered, no one can operate the machine without entering the correct access code. Automatic Receiving, however, is always available. After you complete any operation, such as mode setting or transmission, and the display returns to standby, you have to reenter the access code in order to use the machine again. Registering the Fax Access Code does not affect the use of the machine in any other way.

How to Set Fax Access Code

Before you use the Fax Access Code function, be sure to set Fax Parameter 20 to the valid position (see pages 26 - 29).



SET MDDE NO.=



USER PARAMETERS

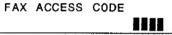
13

. .



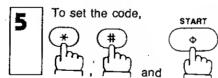


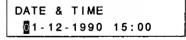
repeatedly.

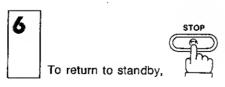




FAX ACCESS CODE 5555







01-DEC-1990 15:00 AC=

How to Use the Machine after You Set Fax Access Code

Enter Fax Access Code.

Ex: 5 5 5 5

01-DEC-1990 15:00 AC=

If the Fax Access Code you just entered coincides with the code set in the machine, the display "AC = " will disappear. If not, the machine returns to standby.

01-DEC-1990 15:00 AC=

01-DEC-1990 15:00

Now you can use the machine by normal operation.

Ex: Set a document on the ADF.

DOCUMENT SET

After you complete any operation, the machine will return to standby. To use the machine again, reenter the Fax Access

Code.

01-DEC-1990 15:00 AC=

How to Reset Fax Access Code

Enter the Fax Access Code. Ex: 5 5 5

01-DEC-1990 15:00 AÇ=

01-DEC-1990 15:00 AC=

01-DEC-1990 15:00

2 FUNCTION 7

SET MODE NO.=

13



START O

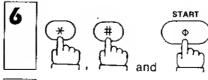
repeatedly.

FAX ACCESS CODE

USER PARAMETERS



FAX ACCESS CODE



DATE & TIME 01-12-1990 15:00

To return to standby,

01-DEC-1990 15:00

NOT

When you enter the Fax Access Code in Step 1, the numbers are not displayed.

Compatibility

CCITT Group 3

Group 2

Scanning method

Transmitter: Flat bed scanning with CIS type image

sensor

Receiver: Solid state thermal recording head

Document size

MAX.: 280 mm × 297 mm

280 mm x 1000 mm

(with operator's assistance)

MIN.: 148 mm × 70 mm

Document thickness

Single page

: 0.06 mm to 0.15 mm

Multiple pages : 0.08 mm to 0.13 mm

Effective scanning width

G3: 208 mm 252 mm

G2: 205 mm 240 mm

Recording paper size

210 mm × 50 m

Effective recording width

G3: 208 mm G2: 205 mm

Resolution

Horizontal: G3 8 pels/mm

G2 3.85 pels/mm

Vertical: G3 3.85 lines/mm (STANDARD)

7.7 lines/mm (FINE)

15.4 lines/mm (SUPER FINE)

G2 3.85 lines/mm

Coding scheme

MH, MR, with MWS

Modem

G3: V.29, V.27ter with fallback function, and V.21

G2: AM-PM-VSB

ADF capacity

Built-in,up to 10 sheets

(Automatic Document Feeder)

Abbreviated dialing memory capacity

70 Stations (23 One-Touch keys and 3 Program

keys)

Each station can hold telephone numbers upto-36-digits long (including pauses and spaces). Station names can be up to 15 characters.

Power supply

200V version: AC 200V to 240V, 50/60 Hz.

Single Phase

100V version: AC 110V to 120V, 50/60 Hz,

Single Phase

Power consumption

Standby: Approx. 10W

Transmission: Approx. 25W

Reception:

Approx. 45W (Black Ratio: 10%)

Copy:

Approx. 50W (Black Ratio: 10%)

MAX.: Approx. 95W

Dimensions

135 mm (H) × 333 mm (W) × 312 mm (D)

(excluding projections)

Weight

Approx. 6.5 kg

(excluding recording paper, power cord)

Operating environment

Temperature:

5 to 35°C

Relative humidity: 20 to 80%